MIT's Oldest and Largest Newspaper



WEATHER, p. 2 SAT: 77°F | 56°F Mostly sunny

SUN: 79°F | 57°F

Partly cloudy

Volume 130, Number 23 tech.mit.edu Friday, April 30, 2010

New Sloan building gets greener



Dustin Brackney of Apex Green Roofs shows sedum cuttings that are being planted on the new green roof on the new Sloan building, E62. Sedum, also known as stonecrop, is a large genus of popular garden plants.

The 7,000 square feet of green roof being installed by Apex Green Roofs will contribute points to the building's LEED certification. In addition to the certification, the roof provides long-term cost savings to MIT by extending the life of the waterproof membrane covering the roof from an average of 20 years to 60-70 years. Many cities are encouraging the use of vegetation-covered roofs because they also reduce stormwater runoff by 65 percent and act as a buffer to delay stormwater from reaching drains.

"Green" roofs are so called because they are covered with vegetation. On E62, the roof is covered with 3.5 inches of a light-weight soil media planted with sedum cuttings.

The work on the roof began last Thursday and will continue through this weekend. The cuttings will put down roots in about a week and a half, and the roof will not be fully grown for another year.

Green roofs do require some maintenance, and workers from Apex Green Roofs will revisit MIT approximately three times per year to check for leaks and ensure that the plants continue to grow.

MIT asks top court to review patent case

Billions of dollars in licensing at stake

By Ana Lyons

NEWS EDITOR

MIT filed an amicus curiae, or friend-of-the court, brief with the U.S. Supreme Court on Monday, urging it to review Stanford v. Roche, a case about patent ownership whose outcome could influence claims to billions of dollars generated by federally funded, university-held patents.

This is MIT's first amicus brief in nearly a decade; the last was in the University Michigan Law School's 2003 affirmative action case, Grutter v. Bollinger.

In Stanford v. Roche, the Federal Circuit found that a researcher at Stanford had compromised Stanford's rights to a patent, even though universities had generally understood their complete rights to be protected by intellectual property agreements that researchers sign.

The universities' right to those patents come from the 1980 Bayh-Dole Act, which grants universities legal rights over inventions and intellectual property that result from their federally-funded research.

MIT has been issued 3,673 U.S. patents since 1980, according to MIT's brief — some of which may potentially fall under dispute, depending on how the Court acts.

MIT, along with about 40 other University amici in the case, fears the loss millions of dollars of revenue, as well as dramatic economic costs to the nation.

See http://tech.mit.edu/V130/N23/scotus/ for copies of

Supreme Court, Page 12

IN SHORT

Portuguese will now be offered by Course 21F, beginning in the Fall, with a four-semester program.

Institute Professor Peter Diamond was officially nominated by President Obama to the Federal Reserve Board of Governors, after more than a month of rumors. See page 2.

Prof. Sheila E. Widnall '60 has been appointed to a business and technology review panel reviewing troubled carmaker Toyota's operations.

Ring Delivery for the Class of 2012 is tonight at the Boston Public Library. Bring your 2012 MIT ID.

Senior House's Steer Roast is this weekend. Meat is served at 2 p.m. on Saturday.

Prof. Esther C. Duflo PhD '99 won the John Bates Clark medal, awarded to the top U.S. economist under 40.

Theresa M. Regan will leave MIT to become Director of Enterprise Infrastructure at Tufts. Regan has managed various parts of our IT infrastructure in her 15 years here.

President Obama nominated Denise Jefferson Casper, Deputy District Attorney for Middlesex County, as a judge on the United States District Court for Massachusetts.

Send news information and tips to news@tech.mit.edu.

Silence over drunk prefrosh continues

No word yet from investigation

By Natasha Plotkin EXECUTIVE EDITOR

The Department of Residential Life is investigating a Campus Preview Weekend incident during which a prospective freshman was found intoxicated and unconscious outside Mc-Cormick, according to Bexley housemaster Robert M. Randolph. "[It]appears she may have gotten the alcohol ... in Bexley," Randolph wrote in an e-mail to the *bexley-residents* mailing list.

Various MIT authorities have declined to comment on the incident, and details about the ongoing investigation remain hidden.

Randolph said it was still unclear to him exactly what took place during CPW, but that he is 'looking forward to getting a report" from the investigation.

In the absence of hard facts, rumors have circulated about what might have occurred, including that the student's admission to MIT has been revoked.

Stuart Schmill '86, dean of admissions, which coordinates CPW, also declined to comment on the incident specifically "out

of respect for the privacy of the student," he wrote in e-mail. Schmill said nothing about this student's case but said that it is "very rare" that students' admissions are revoked.

He said that he and his office coordinates with the other deans at MIT to ensure safety during CPW. In the case of an alcohol-related incident occurring during CPW, Schmill said that, in general, "we would work with the deans" to arrange an appropriate response.

He said that the only response his office would have authority to implement on its own would be to not assign prefrosh to be hosted in a specific living group if a concerning incident were traced back to that

During CPW, MIT's official policy mandates that "no events or parties with alcohol are permitted, no alcohol is allowed out in common areas, and no alcohol is to be provided to prefrosh," Schmill wrote in an e-mail.

"This was communicated to the leadership of the living

Prefrosh, Page 14

After 25 years, Nilsson will retire from MIT

By Jingyun Fan

ASSOCIATE NEWS EDITOR

Karen Nilsson, the senior associate dean for Residential Life, will retire early and leave her position on

Until then, Nilsson will continue to serve full-time. She will work on winding down her responsibilities, and plans to remain in the office part time during July and August to help transition the new dean.

An official search for Nilsson's replacement has begun and the position has been posted on several job search sites. According to Tom

Nilsson, Page 11



Karen Nilsson will step down from her position as Senior Associate Dean for Residential Life this June, after 25 years at MIT.

IN MEMORY OF

Michael S. Feld

MIT Professor of Physics Michael S. Feld, who made fundamental contributions in the field of laser science and later applied physics to solving biomedical problems, died on April 10, after an eight-year struggle with multiple myeloma. Feld, who directed the MIT George R. Harrison Spectroscopy Laboratory since 1976, was 69.

Feld first came to MIT in 1958 as an undergraduate. He went on to do his PhD at MIT under the supervision of Professor Ali Javan, and in 1968 he became a member of the MIT faculty. During his 52 years

Feld, Page 15

HAVE A GREAT INTERNSHIP

It's not them, it's you. Make the most of your summer internship by following these tips. OPN, p. 5

DEFINING THE LEFT-RIGHT RIFT

It's not about who loves or hates markets. It's about their values. OPN, p. 5

PALESTINE AWARENESS WEEK

There are two sides to every story. MIT Students for Israel responds. OPN, p. 5



LOS CAMPESINOS!

(The exclamation mark is actually part of their name, but after Tuesday's show at the Paradise Rock Club, it's clear they've totally earned it!) ARTS, p. 10

EVIL DEAD: THE MUSICAL

Prepared to get squirted on by Musical Theatre Guild's adaptation of this B-movie classic. ARTS, p. 9

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United-Continental deal could come as soon as Monday

United Airlines and Continental Airlines are in advanced discussions on a merger after making progress on how to price the transaction, people briefed on the matter said Thursday.

A deal could be announced as soon as Monday, these people said, though they cautioned that talks were continuing and could fall apart. The boards of the two airlines will meet separately on Friday, with Continental's directors scheduled to meet again on Sun-

If a deal is worked out, a combined Continental and United would be the nation's largest airline by revenue, ahead of Delta Air Lines, which recently completed a merger with Northwest Airlines.

Jean Medina, a spokeswoman for United, and Julie King, a spokeswoman for Continental, declined to comment.

Most of the details have been worked out, said people briefed on the matter who spoke on condition of anonymity because the talks are at a delicate stage. The new company would be called United and based in Chicago.

Continental's chairman, Jeffery A. Smisek, would be the new chief executive, while United's chairman, Glenn F. Tilton, would be the new nonexecutive chairman for two years. After that, Smisek would become executive chairman.

-Michael J. De La Merced and Jad Mouawad, The New York Times

Obama to nominate Diamond and two more to central bank

WASHINGTON — President Barack Obama will nominate Ianet Yellen on Thursday to be vice chairwoman of the Federal Reserve, and fill two remaining seats on the central bank's board of governors, officials said Wednesday evening.

The announcement came hours after the Fed's open market committee decided to keep short-term interest rates near zero and maintained, as it has for nearly a year, that rates would stay at that level for "an extended period."

Yellen, president of the Federal Reserve Bank of San Francisco, is a leading macroeconomist and a former Fed governor, but the two other nominees, Peter Diamond, an economist at the Massachusetts Institute of Technology, and Sarah Bloom Raskin, the Maryland commissioner of financial regulation, do not have backgrounds in monetary policy. The White House floated all three names last month, but delayed the nominations pending a review of the candidates' backgrounds.

After its meeting Wednesday, the central bank disclosed nothing about when or how it would reduce the size of the \$2.3 trillion balance sheet it accumulated as it acquired mortgage-backed securities to prop up the housing market, suggesting that it had no plans to start selling the assets anytime

-Sewell Chan, The New York Times

Attacker stabs 28 children at a kindergarten in China

BEIJING — An unemployed man entered a kindergarten in Jiangsu province in eastern China on Thursday morning and stabbed 28 kindergarten students and three adults, critically wounding at least five children, local authorities and state news agencies reported.

It was the second mass stabbing of students in two days, and the third in less than a month.

Many of the wounded children were just 4 years old and shared the same classroom, according to the state-run Xinhua news agency. Police officers identified the assailant as Xu Yuyuan, a 47-year-old former insurance agent. According to Xinhua, he began attacking children with a knife about 8 inches long around 9 a.m. at the Zhongxin Kindergarten, a middle-class school in Taixing, about 570 miles southeast of Beijing. He also wounded two teachers and a security guard.

-Michael Wines, The New York Times

Vast wind farm off Cape Cod coast gains federal approval

By Katharine Q. Seelye

THE NEW YORK TIMES

BOSTON — After nine years of regulatory review, the federal government gave the green light on Wednesday to the nation's first offshore wind farm, a fiercely contested project off the coast of Cape Cod.

Opponents said they would continue to fight construction of the farm, known as Cape Wind, which would sprawl across 25 square miles of Nantucket Sound.

But the decision is expected to give a significant boost to the nascent offshore wind industry in the United States, which has lagged far behind Europe and China in harnessing the strong and steady power of ocean breezes to electrify homes and businesses.

"This will be the first of many projects up and down the Atlantic Coast," Interior Secretary Ken Salazar said at a news conference here in the Massachusetts Statehouse with Gov. Deval Patrick, a Democrat and supporter of the venture, at his side.

In announcing the much-anticipated decision, Salazar hastened to add that he was requiring the developer, Cape Wind Associates, to take several steps to mitigate possibly adverse effects on the environment - including views from the Kennedy Compound National Historic Landmark, which overlooks Nantucket Sound. Those steps include adjusting the turbines' color and configuration.

Opposition to the proposal from Sen. Edward M. Kennedy, who died in August, had been a major thorn in the Obama administration's side in advancing the project.

The Cape Wind farm would lie about 5.2 miles from the nearest shore, on the mainland, and about 13.8 miles from Nantucket Island. The tip of the highest blade of each turbine would reach 440 feet above the water.

The long-running struggle over the project underscores how divisive even a "clean" energy project can be in the United States.

Friends and foes have squared off over the impact it would have on nature, local traditions, property values and electricity bills; on the profits to be pocketed by a private developer; and even the urgency of easing the nation's dependence on fossil fuels, a priority of the Obama administration.

Opponents argued that Cape Wind would create an industrial eyesore in a pristine area; supporters countered that it was worth sacrificing aesthetics for the longerterm goal of producing clean, renewable energy.

Developers say that Cape Wind will provide 75 percent of the power for Cape Cod, Nantucket and Martha's Vineyard - the equivalent of that produced by a medium-size coal-fired plant. It would also reduce carbon dioxide emissions by the equivalent of taking 175,000 cars off the road, officials said, and provide 1,000 construction jobs.

In a nod to the concerns of the Kennedys - and presumably other property owners in the area - Salazar said he had ordered Cape Wind to limit the number of turbines to 130 instead of the initial 170, to move the farm farther away from Nantucket and to reduce its breadth to make it less visible from the Nantucket Historic District.

Breaking down a three-way Senate race in Florida

By Damien Cave

THE NEW YORK TIMES

MIAMI — With Governor Charlie Crist's announcement on Thursday that he will run independently for the U.S. Senate, Florida will once again become a gawk-worthy stage of American politics, where the country's desires, fears and conflicts play

Crist told supporters in his hometown, St. Petersburg, that his decision to leave the Republican Party was "the right thing for America" and "the right thing for Florida."

In a six-minute speech, he acknowledged that he was in "uncharted territory." But even the most experienced strategists here are dumbfounded. Perhaps never before, they said, has there been a three-way Senate race in a major swing state with well-financed candidates and so much at stake in terms of the balance of power in Washington.

The usual campaign scripts with candidates playing to their bases in the primary, then moving to the middle in the general election — are not relevant anymore. The winner in November might need as little as 34 percent of the vote. And with only 22 percent of the Florida electorate registered as neither Democrats nor Republicans, the most vital question of the race will be: How frustrated are voters with their own parties, and how many will stay loyal?

"Both parties have to go out and secure their base to win," said Steve Schale, state director for the Obama campaign in 2008. "That comes with perils, though; it is exactly what Charlie Crist wants them to do.'

All three candidates portray themselves as outsiders, but all are career politicians. It is still not clear which issues will dominate the campaign. Immigration? Health care? Jobs? The standing of President Barrack Obama is also likely to play a significant role.

But, according to advisers to the campaigns and outside political experts, this will not be a race of just messaging. Money, campaign structure, the national party's role and the wild card of unexpected mistakes they all matter, even more than usual in a race of such magnitude. Each candidate has advantages, and challenges to overcome.

No one would seem to benefit more from a Crist run as an independent than Kendrick Meek, for one simple reason: The numbers are on his side. There are now 650,000 more registered Democrats in Florida than Republicans. And if registration continues along its expected path, that lead would amount to about 2 percentage points in November. If he does better with Democratic voters than either Crist or Rubio does with Republicans - and if Crist does not win nearly every independent vote – Meek becomes Florida's next sena-

WEATHER

Sun, warmth ahead

By Allison A. Wing

After experiencing temperatures well below normal from Monday through Wednesday, and seasonal temperatures yesterday, high pressure building today throughout the weekend off the southeast coast of the US will finally allow warmer temperatures to wrap into our region as the calendar flips to May. This weekend we will experience high temperatures in the mid to upper 70°F's that are above the climatological norms

(low 60°F's). The warm tempersunshine will make this a great weekend for enjoying the outdoors. Today will remain a bit breezy though, with west winds from 15-20 mph, but less windy than yesterday (Logan Airport recorded wind gusts of 49 mph, and the weather station on the roof of the Green Building recorded a record wind gust of 65 mph!). There is a also chance for showers and thunderstorms on Sunday afternoon and evening, associated with a cold frontal passage.

Extended Forecast

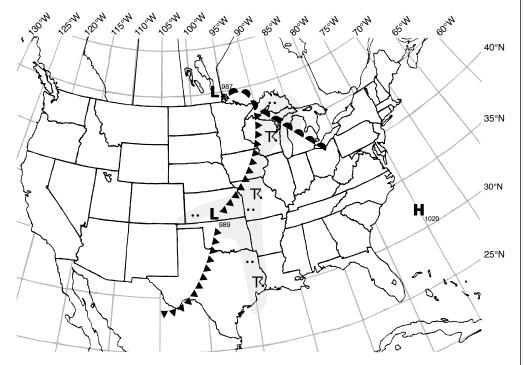
Today: Sunny and breezy. High of 75°F (24°C). W winds at 15-20 mph.

Tonight: Partly cloudy. Low of 52°F (11°C). W/NW winds at 5-10 mph.

Tomorrow: Mostly sunny. High of 77 °F (25°C). W winds at 5-10 mph shifting to from the SE. Low of 56°F (13°C).

Sunday: Partly cloudy with a chance of scattered thunderstorms. High of 79°F (26°C). S winds at 8-12 mph. Low of 57°F (14°C).

Monday: Partly cloudy. High of 73°F (23°C). Low of 49°F



Situation for Noon Eastern Daylight Time, Friday, April 30, 2010

Weather Systems	Weather Fronts	Precipita	ation S		Other Symbols		
High Pressure	Trough	Showers	Snow *	Rain	=	Fog Thunderstorm	
Low Pressure	Warm Front Cold Front	Light	*	•	∞	Haze	
§ Hurricane	Stationary Front	Moderate	**	:	Compiled by MIT Meteorology Staff and The Tech		

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Admitted to college with aid, needing a fairy godmother

By Jacques Steinberg THE NEW YORK TIMES

PROVIDENCE, R.I. — The envelope arrives with good news. The college is pleased to announce that the student has been offered acceptance and, if he or she is fortunate, some scholarship money.

But in this busted economy, more parents are saying they need more money and are filing appeals. Then the waiting starts again, for a phone call.

The job of delivering that news - after weighing hopes and dreams against limited budgets - falls to people like Sandra J. Oliveira, the executive director of the financial aid office at Providence College.

Oliveira is spending this week plowing through a stack of 100 appeals from high school seniors who have been accepted for the next freshman class but who say they cannot afford to attend. Each packet contains a heartfelt plea for more aid than the college offered initially, to offset the impact of recent job losses, plunges in home values or other financial setbacks.

"In this economy, everyone is feeling it to some extent," Oliveira said

recently, her wood-laminate desk cluttered with medical bills, layoff notices and tax forms sent to her as supporting

"Sometimes we can do a lot," she added. "Sometimes we can't. But we spend a lot of time listening.

Oliveira's emotional. painstaking task is playing out on hundreds of campuses, in advance of the May 1 deadline for tuition deposits from many incoming freshmen.

At Providence College, a Roman Catholic institution where the dogwood trees are blooming, about as many financial aid appeals have been filed by the families of prospective freshmen this spring as last; those figures, though, represent a nearly 15 percent increase over two years ago.

At Villanova University in Pennsylvania, which competes with Providence for students, the 350 financial aid appeals filed this spring are down from last year, but are still running 17 percent ahead of those logged in 2008, before the economy turned downward. Financial-aid appeals from prospective freshmen at Lafayette College, also in Pennsylvania, are up more than 40 percent just since last year.

And while Harvard may be the rare university that has managed to hold the line on such appeals — the families of 175 prospective freshmen have asked this spring for more aid than was offered, about the same as in 2008 - it has done so only by increasing its financial aid budget by \$22 million, or 16 percent, over that period.

Meanwhile, Providence, like other colleges, is under its own financial constraints, as its costs continue to rise and its endowment ebbs. While avoiding the layoffs and furloughs that other universities, both public and private, have done, Providence is raising its full freshman-year tuition, board and other fees by 19 percent this fall, to more than \$53,000.

For families and institutions, the process that might ease those tuition expenses can be as daunting as some federal tax forms. Offices like Oliveira's collect information on a family's wages, savings, home equity and other assets, as well as on how many siblings might be attending college. Then, using a combination of federal formulas and policies unique to its campus, Providence, like its counterparts, will arrive at an award offer.

U.S. intensifies bid to control oil spill in Gulf of Mexico

By Campbell Robertson

THE NEW YORK TIMES

NEW ORLEANS — The response to the oil spill in the Gulf of Mexico intensified abruptly on Thursday, with the federal government intervening more aggressively as the rapidly growing slick drifted ever closer to the fragile coastline of Louisiana.

Resources from the United States Navy were marshaled to supplement an operation that already consisted of more than 1,000 people and scores of vessels and aircraft.

Calling it "a spill of national significance" which could threaten coastline in several states, Homeland Security Secretary Janet Napolitano announced the creation of a second command post in Mobile, Ala., in addition to the one in Louisiana, to manage potential coastal impact in Alabama, Mississippi and Florida. Interior Secretary Ken Salazar ordered an immediate review of the 30 offshore drilling rigs and 47 production platforms operating in the deepwater Gulf, and is sending teams to conduct on-site inspec-

The oil slick was only three miles offshore on Thursday afternoon and was expected to hit coastal Louisiana as early as Thursday evening, prompting Gov. Bobby Jindal to declare a state of emergency and to request the participation of the National Guard in cleanup efforts. About 40,000 feet of boom had been placed around Pass-a-Loutre, the area of the Mississippi River Delta where the oil was expected to touch first, a spokesman for Jindal said.

The Navy provided 50 contractors, seven skimming systems and 66,000 feet of inflatable containment boom. About 210,000 feet of boom had been laid down to protect the shoreline in several places along the Gulf Coast, though experts said that marshlands presented a far more daunting cleaning challenge than sandy beaches.

Eight days after the first explosion on the rig, which killed 11 workers, the tenor of the response team's briefings changed abruptly Wednesday night with a hastily called news conference to announce that the rate of the spill was estimated to be 5,000 barrels a day, or more than 200,000 gallons — five times the previous estimate. By Thursday, it was apparent that the cleanup operation desperately needed help, with no indication that the well would be sealed any time soon and oil drifting closer to shore.

Opponents of President Barack Obama's plan to expand offshore drilling have also called for a halt. Sen. Bill Nelson, D-Fla., called Thursday for a moratorium on all new offshore oil exploration while the cause of this rig explosion is under investigation.

Administration officials said that they expected that members of Congress and the public would have new questions about the safety of offshore operations, and that the administration would rethink its commitment to offshore drilling in light of the accident.

Leslie Buck, who gave coffee its own Parthenon in New York City, dies at 87

By Margalit Fox

THE NEW YORK TIMES

It was for decades the most enduring piece of ephemera in New York City and is still among the most recognizable. Trim, blue and white, it fits neatly in the hand, sized so its contents can be downed in a New York minute. It is as vivid an emblem of the city as the Statue of Liberty, beloved of property masters who need to evoke Gotham at a glance in films and on television.

It is, of course, the Anthora, the cardboard cup of Grecian design that has held New Yorkers' coffee securely for nearly half a century. Introduced in the 1960s, the Anthora was long made by the hundreds of millions annually, nearly every cup destined for the New York area.

A pop-cultural totem, the Anthora has been enshrined in museums; its likeness has adorned

tourist memorabilia like T-shirts and ceramic mugs. Like many once-celebrated artifacts, though, the cup may now be endangered, the victim of urban gentrifica-

The Anthora seems to have been here forever, as if bestowed by the gods at the city's creation. But in fact, it was created by man – one man in particular, a refugee from Nazi Europe named Les-

Buck, a retired paper-cup company executive, died on Monday, at 87, at his home on Long Island, in Glen Cove. The cause was complications of Parkinson's disease, his son, Robert, said. Buck, previously a longtime resident of Syosset, N.Y., also had a home in Delray Beach, Fla.

The Anthora has spawned a flock of imitations by competitors over the years, but it was first designed by Buck for the Sherri Cup Co. in Kensington, Conn.

Buck's cup was blue, with a white meander ringing the top and bottom; down each side was a drawing of the Greek vase known as an amphora. Some later imitators depict fluted white columns; others show a discus thrower.

Though the Anthora no longer dominates the urban landscape as it once did, it can still be found at diners, delis and food carts citywide, a squat, stalwart island in a sea of tall, grande and venti. On the street, it warms the harried hands of pedestrians. Without the Anthora, "Law & Order" could scarcely exist.

But given the tenacious traditionalism of many locals, it is safe to assume that the Anthora and its heirs will endure, at least for a while, in the city's steadfast precincts. For some time to come, on any given day, somewhere a New Yorker will be cradling the cup, with its crisp design and snug white lid, the stuff of life inside.

U.S. on sidelines as IMF moves to help Greece in financial crisis

WASHINGTON — The United States is the largest shareholder in the International Monetary Fund (IMF) and has played a forceful, interventionist role in financial crises since the early 1990s, in countries like Mexico, South Korea, Russia and Argentina.

But as Europe gropes for a solution to a debt crisis that threatens to spread from Greece to Portugal and Spain, American officials have been resolutely low-profile.

"There's a sense in the Obama administration that it's Europe's responsibility to straighten out problems in the euro zone," said Randall W. Stone, a political scientist at the University of Rochester and an authority on the IMF

American involvement has so far been behind the scenes. Treasury Secretary Timothy F. Geithner discussed the crisis last Friday with other finance ministers from the Group of 20 nations, and again on Sunday with the Greek finance minister, George Papaconstantinou, who was here for the IMF spring meetings. President Barack Obama spoke with the German chancellor, Angela Merkel, by phone on Wednesday.

But in public, American officials have said little beyond bland statements of support for the IMF and the European Union.

"This is clearly a European issue and we think that it's important that the European leaders and the European structures be centrally involved in the management of the problem and the resolution of the problem," said an administration official, who spoke on condition of anonymity because of the sensitivity of the matter.

-Sewell Chan, The New York Times

Australia fights tobacco with taxes and plain packs

Australia could become the first nation to ban brand images and colors on cigarette packages under a wide-ranging set of anti-smoking measures the government unveiled Thursday.

Starting July 1, 2012, tobacco products would have to be sold in the plainest of packaging — with few or no logos, brand images or colors. Promotional text would be restricted to brand and product names in a standard color, position, type style and size.

Restrictions on Internet advertising, a hefty increase in the tax on tobacco products and new anti-smoking campaigns are also among

The government said the moves would cut tobacco consumption and generate billions of dollars of revenue that would be plowed into the health system. The action won praise from the World Health Organization, which welcomed the measures as "a new gold standard for the regulation of tobacco products."

Leading tobacco companies strongly criticized the measures, questioning their effectiveness and saying they would encourage counter-

"Plain packaging has not been introduced in any country in the world and there is no evidence to support the government's notion that this will reduce consumption," Imperial Tobacco said in a statement from its Sydney office. "Plain packaging would seriously harm our brands and infringe the intellectual property rights in which both Imperial Tobacco and its shareholders have invested."

The measures announced on Thursday also include a 25 percent increase in the excise tax on tobacco products, which was to come into force as of midnight. That will increase the cost of a packet of 30 cigarettes by about 2.16 Australian dollars, to around 16.70 Australian dollars (\$15.40).

-Bettina Wassener and Meraiah Foley, The New York Times

On health care law, action shifts from Congress to the states

WASHINGTON — The fight over the new health care law shifted Thursday to the states, as some governors claimed federal money to run a new insurance pool for people with serious medical problems, while others said that they would not operate the program.

Friday is the deadline for states to tell the Obama administration whether they want to run the high-risk insurance pool for uninsured people with pre-existing conditions or whether they will leave the task to Kathleen Sebelius, the secretary of health and human ser-

Democratic officials in Montana, Pennsylvania, Washington and Wisconsin, among other states, said they intended to operate the program under contract with the federal government. They were joined by Gov. Arnold Schwarzenegger of California, a Republican.

But Republican officials in Georgia, Nebraska, Nevada and Utah turned down the opportunity to run the pool, as did at least one Democratic governor, Dave Freudenthal of Wyoming. Freudenthal said that he worried that the state's federal allotment of \$8 million "may prove insufficient" to subsidize coverage for the next three and a half years. The temporary federal program runs from July of this year to Jan. 1, 2014, when insurers will be required to accept all ap-

Schwarzenegger said, "We are ready to roll up our sleeves and work with the federal government." California expects to receive \$761 million. 2014.

—Robert Pear, The New York Times

Amendment tightens law on state secrets in China

BEIJING — China's legislature has imposed tighter requirements on Web and telecommunications companies to shield the nation's state secrets, which are often defined as including a broad array of information the authorities de0em detrimental to security.

The amendment to the state secrets law, adopted Thursday and set to take effect Oct. 1, obligates network operators and service providers to cooperate with the police, state security officials and prosecutors in investigating leaks of state secrets. On discovering a leak, they must promptly block it and report it to higher authorities, according to a final draft distributed at a news conference in Beijing. Regulatory or security authorities would punish those who fail to comply.

-Jonathan Ansfield, The New York Times

4 THE TECH FRIDAY, APRIL 30, 2010



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CORRECTIONS

An article Tuesday about Sexual Assault Awareness Week misstated the name of one of the organizers. The group is the "Program for Violence Prevention and Response at MIT Medical," not the "Program for Medical Violence Prevention Re-

sponse." The story also did not list all the partners involved with the week. Undergraduate Advising and Academic Programming; Community Development and Substance Abuse Center; the FSILG Office; and MIT End Violence (a program of The Technology and Culture Forum) were part of the planning committee, though these groups are not indicated on the Sexual Assault Awareness Week website as sponsors.

GUEST COLUMN

Focused on the wrong thing

What are the goals of Palestinian Awareness Week?

By Matt Fisher

In many ways, the Israeli-Palestinian conflict resembles domestically sticky political conflicts in the United States and other developed nations with which we are more familiar. Consider wealth redistribution: there are two sides to the argument, each unwavering as they see their argument as both practically and morally correct. These views are enforced by a list of facts each side is capable of producing at a moment's notice: "taxing the rich is economically inefficient; the poor need to be taught how to improve their own situations," or "equitable distribution improves the opportunities of the poor, and boosts economic output by increasing the productivity of the disadvantaged." Here is the problem: both statements contain some truth. What you believe depends on your values and point of view; the analysis can support any statement.

This type of debate leads to circular, unproductive conflict and rhetoric. We get too caught up in arguing over inconsequential facts, and rarely talk about what we want out of a resolution. Without a set of goals in place, facts and counter-facts about who did what and when they did it first primarily serve to mire the discourse.

Before going into what the main goals of any resolution should entail, let's nail down a couple of starting points: in polls, both the Israeli and Palestinian publics want peace, and the majority of Israelis favor a two-state solution. The governments show more variation: Fatah and the Israeli government both seem to agree with their citizen's wishes; Hamas is reticent. Additionally, democratic countries, like Israel, fight fewer wars, especially among themselves. Since the majority of both countries want peace, this presents a solution and set of goals toward which we can set our problem-solving: improve the political and civil rights given to Palestinians, and reap the rewards of a majoritarian solution

pursued from both sides of the conflict.

As of 2009, Israelis, including the one million Arab-Israelis, most of whom are Palestinian, enjoyed some of the best political and civil rights in the world. Freedom House, an organization that ranks worldwide access to rights with 1 being the best and 7 the worst, gave Israel a 1 for political rights and a 2 for civil rights-the same scores as Japan or Italy. Ten percent of the Israeli parliament (the "Knesset") is comprised of elected Arab-Israelis, and an Arab-Israeli serves on the Prime-minister's cabinet. Public education is available in both Hebrew and Arabic, and services are provided to towns of both Israeli and Arab majorities. Even in the hotly con-

Fatah and the Israeli government both seem to agree with their citizen's wishes; Hamas is reticent.

tested zone of East Jerusalem, the Israeli government provides municipal services to Arab residents.

In addition to providing rights and services to Israeli citizens, Israel also provides the majority of power and fuel to Gaza and the West Bank. One might assume that this would be the job of the Palestinian government's energy-rich Arab neighbors, but somehow substantial aid has yet to materialize from that sector.

By contrast, the areas under the Palestinian government were given a political rights ranking of 5, and a civil rights ranking of 6. According to Freedom House, women still suffer wanton disregard for their rights as citizens, citizens are not always free to vote how they choose, and some schools teach hatred toward Israel as part of the curriculum. These are symptoms of a government that shows casual disregard for the welfare of its constituents. Some might argue that the lack of proper political institutions inside Gaza and the West Bank is a function of its poverty, but examples of poor countries creating solid political institutions before material wealth is created can be found. Why is the outrage over the lack of internal rights directed at Israel? How do the lines at checkpoints for entrance into Israel trump paying women an equal wage? How do they legitimize Hamas from hearing the demands for peace from its citizens?

These remarks are in no way meant to assign blame or belittle the important efforts of MIT student groups as they work hard to increase awareness about an ongoing conflict. Our comments are merely meant to focus attention on parts of the problem that increased awareness might actually solve. The Palestinian government is in terrible need of reform. Without a government representative of their wishes, no society can enact the policies that best serve its interests. Similarly, awareness of the situation is important, but must be goal-focused: How can we help end the conflict? Give Palestinian citizens the rights they deserve within their own government.

We appreciate the intense work and organizational skill displayed by the PAW event staff in putting together a week's worth of talks and activities for the MIT community. We know that many of our Palestinian colleagues share our views about the relative importance of discussing the future over arguing about the past, and we hope that with continued cooperation both here at MIT and around the world, Palestinians will one day enjoy a government that shares this view with its

This column was written on behalf of MIT Students for Israel. Matt Fisher is a senior in Courses 14 and 17, and a staff writer in the Arts department.





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The false dichotomy

Markets versus governments is not what divides Republicans and Democrats

By Keith Yost STAFF COLUMNIST

For politicians, depicting the conflict between right and left as a matter of markets vs. governments is convenient. It allows liberals to portray their opponents as anarcho-capitalists who believe that the fire department should be privatized, and lets conservatives pretend their rivals want the government to make every medical decision for its people. So long as this either-or binary paradigm is accepted by the voters, politicians don't need an intellect capable of explaining difficult and nuanced policy trade-offs — instead they simply need the money to run ad campaigns reminding voters of the past successes and failures of governments or markets.

The paradigm is false, not just as a matter of policy, but also as a generalization about the parties. Outside of Ron Paul, no Republican contests the government's role in firefighting. Outside of Michael Moore, no Democrat believes in abolishing healthcare markets. For most policy questions we face, the degree of government or market control is neither the most relevant consideration, nor even a useful measure for categorizing options. What really divides Republicans and Democrats is their fundamental conception of a just society.

For Democrats, the hallmark of a just society is equality. To them, America's wealth distribution is criminally immoral. "How can it be just," they ask, "for a Bill Gates to enjoy such unimaginable luxury, while many of his fellow citizens go without food or medicine?"

For Republicans, the hallmark of a just society is freedom. To them, no man should be forced to bear the costs of another, or be allowed to reap the benefits of someone else's effort without that man's consent. A man is entitled to take from society only that which he has provided it.

Never was this contrast more apparent than when, at a campaign stop in Ohio, then-candidate Obama took a question from a plumbing contractor named Samuel Wurzelbacher. "Joe the Plumber" objected to Obama's tax plan, in essence saying that it was contrary to the American Dream to have

hard-working, ambitious individuals pay a greater share of the burden of government than their fellow Americans. To Obama, this was an entirely foreign concept — it was inconceivable that Wurzelbacher would object to the principle of wealth redistribution so long as he could be convinced that he would be a beneficiary of it. When Wurzelbacher maintained his objection despite the best efforts to prove to him his taxes would be cut, Obama flailed, suggesting a variety of

For most policy questions we face, the degree of government or market control is neither the most relevant consideration nor even a useful measure for categorizing options.

truly odd beliefs — including that a flat tax is impossible, wealth redistribution improves the economy, and Wurzelbacher's success somehow prevents others "behind him" from being successful — before beating a tactical retreat to the tune of "I support small business." The two men came from such different philosophical backgrounds that they could not see eye to eye.

In a sense, there is a natural predisposition of Republicans for markets and Democrats for governments. Republicans embrace markets because a system of voluntary exchange enshrines their principle of social justice. What better way to ensure that no man can take from another than to declare that whenever a person wants something, he must give his fellow man something else of equal or greater value in order to obtain it? Democrats embrace governments because equality is rarely a natural or voluntary condition, and must be achieved through a monopoly of force.

One might ask then, what is the harm in letting a difference in values manifest itself

as a conflict between governments and markets? If it all comes down to intractable differences in values anyway, then how could some other paradigm make our discourse less combative and polarizing?

There are two reasons why we would do well to drop the rhetoric of governments vs. markets.

Firstly, markets and governments are each merely means to an end. A Democrat doesn't really want a "government" solution if it exacerbates inequality. A Republican doesn't really want a "market" solution if it forces some participants to pay for others. By perpetuating the false dichotomy, we are obscuring the true nature of the choices we are making, and worse, we are prejudicing voters and politicians against potential solutions based upon labels.

Moreover, politics is not simply a zerosum game between mutually exclusive goals and values. There are many things that all Americans want: a more productive economy, smarter children, less crime, and so on. Even if the question of governments vs. markets mapped perfectly to our values differences, a legislator is not trying to purely

A Democrat doesn't really want a "government" solution if it exacerbates inequality. A Republican doesn't really want a "market" solution if it forces some participants to pay for others.

maximize on the values of his constituents, he is also trying to maximize along a set of other — relatively values-free — goods. If he dismisses out of hand any solution that he considers "privatization" or "government intrusion," by automatically assuming that it could not improve the provision of these other goods, then he is, in effect, ignoring

these other considerations and reducing our politics to a zero-sum battle.

Secondly, and in the same vein, the markets vs. governments debate leads us to presume that there cannot be any compromise when opportunities really do exist. The health care debate is a flawed, but recent example. Admittedly, Republicans were unlikely to ever support insurance mandates, because at its core, an individual mandate forces the healthy to subsidize the unhealthy. Why should a person who eats right and exercises pay the same amount for insurance as an obese, binge-drinker with a two pack a day smoking habit? Or, for that matter, why should a man pay the same amount as a woman, if statistically their health care costs are different? From the perspective of a conservative, Democrats needed to demonstrate some pretty powerful improvements to the efficiency of insurance provision to justify such cost-shifting.

At the same time, it is useful to remember that individual mandates were once a Republican idea. George Bush billed them as a solution to the problem of uncompensated care, a way of preventing emergency-room free-riders from passing on their health care costs to the rest of society. Phrased in this way, as a policy of personal responsibility, it's clear what the conservative appeal was.

The health care narrative spun by the White House was tuned perfectly to the ears of liberal Democrats. Insurance companies are rich. The uninsured are poor. We should get insurance companies to pay for the health care of the poor. Nearly every speech the president gave contained some reference to an American who lived in poverty or was bankrupted by health care costs. For a person with Obama's values, these stories were justification enough for reform — how could we, in good conscience, allow such inequality to persist? As a conversation between those with different ideas of justice, it was as hopeless as the Q&A with Wurzelbacher.

We are a nation divided. But fighting our values battles by proxy is not the solution. Getting past our differences means confronting them head-on — getting to bipartisanship means understanding the real reasons that we are partisan.

GORDON-MIT LEADERSHIP

Working so your internship works for you

You can impress senior executives or you can get stuck cleaning the lab. The choice is yours.

By Tanya Goldhaber

Congratulations! You've landed yourself a summer internship. In today's difficult job market, that's quite an accomplishment. However, that same difficult job market is going to make excelling at your internship even more critical. While you might be using your internship to get real-world experience, escape the ivory tower for a few months, or just to earn some extra cash, remember this: companies use internships to evaluate potential future employees.

Aside from a possible future job offer, internships can offer a wide variety of learning experiences that you just won't get as part of your normal MIT education. Moreover, by doing a few simple things, it is pretty easy to turn almost any internship into a great experience. However, you only get out of a summer internship what you put into it.

After my sophomore year, I spent an entire summer essentially twiddling my thumbs while interning with a medical devices company. I was bored out of my mind. I blamed my boredom and dissatisfaction on a variety of factors: the company was too big, I didn't have a good boss, the work was not mentally stimulating, my coworkers didn't appreciate me — the list goes on.

The fall after that disastrous internship, I joined the Gordon-MIT Engineering Leadership Program (GEL), and learned a thing or two about how to be effective in industry. The following summer, I worked in the R&D department of a large British company, and it was possibly the best two months of my life. While it's true that I was working in a field that interested me more, the critical difference was my attitude.

You are responsible for making your summer internship fantastic, and if you put in the effort, you will reap the rewards. So to make your internship a great one, I'll summarize a few simple yet effective tips and

tricks.

Tip 1: Take initiative. No one is ever going to stop you from trying to make something more efficient, more reliable, or easier to use. As long as you get your assigned work done, no one is going to tell you not to work

Industry is filled with inefficiencies and half-baked ideas just waiting for someone to take them on. You will stand out from the other interns and impress a lot of people if you take initiative to fix problems or innovate...

on your own independent project, provided you can show it benefits the company.

Last summer, my work led me to believe that my company could drastically improve product quality by introducing new hardware. I approached my boss and asked if I could pitch the idea to some people around the company. He thought it was a good idea, and I spent the next week making some mock-ups with a coworker. I eventually ended up showing the idea to the head of R&D and the CTO.

No one told me to do that. I saw a problem, and I took the initiative to fix it. Industry is filled with inefficiencies and halfbaked ideas just waiting for someone to take them on. You will stand out from the other interns and impress a lot of people if you take initiative to fix problems or innovate to start new things.

Tip 2: Find a mentor in the company. Last week's article talked about finding an industry mentor. I was lucky because my boss acted as my mentor in my company, but this won't always be the case. It is very important to find someone in your company with whom you connect and who can show you the ropes and make connections for you. I won't belabor the point — if you want to know more, read last week's article.

Tip 3: If you do things for people, they will want to do things for you. You'll be more effective in your own work if you try your best to help the people in your team — especially your boss. Be honest: Aren't you more likely to help out a friend if they've helped you in the past?

Now, this doesn't necessarily mean torturing yourself with grunt work so the rest of the office can go out for drinks after work. People who have worked at the company a long time might be bored by tasks that you find super interesting. Offer to take on those tasks, and you'll learn a lot while building strong connections with other team members. Helping others is the best way to build trust and loyalty within a team, and you'll be

Helping others is the best way to build trust and loyalty within a team, and you'll be surprised how many people will be there for you when you need something.

surprised how many people will be there for you when you need something.

Tip 4: Be enthusiastic. A very wise grad student who had spent a lot of time in industry once told me: "you can't trust someone if you think they don't care." If you want your boss to trust you, give him or her a rea-

on to do so.

Not every minute of your internship will be interesting or stimulating. However, if you really forge ahead and show that you make the same intense effort for work that you don't necessarily like, you will likely find that you are eventually given more interesting jobs. Your attitude in the first few days might determine if you spend the last week of your internship on the presentation to senior managers or on glassware cleanup.

Tip 5: Prove yourself. Don't feel entitled to respect and interesting work just because you go to MIT. Yes, we spend all year here feeling important and smart and better than the little red brick schoolhouse up the river, but if people in industry get the slightest whiff of that attitude, you can expect to be eating lunch alone.

You will need to prove yourself just as much as every other intern and employee, so apply the tips in this article, power through the work that you think is "beneath" you, and have a heart-to-heart with your boss or mentor afterwards showing what you've already accomplished. Then explain your interests so that you can find some relevant tasks that might be better suited to them.

Your internship will be much more effective if you can show that you've put in the effort, and your effort will be more effective if you apply yourself intelligently. I recommend taking a heavy dose of humility before you step through the door on the first day, and remember that you can learn a heck of a lot from people who have spent five or ten years in industry. Work with them, establish mutual trust, take initiative, and you'll put yourself in a good position for the future.

This article is the third in a four-part series written by students in the Gordon-MIT Engineering Leadership Program. Tanya Goldhaber is a senior in the Department of Mechanical Engineering.

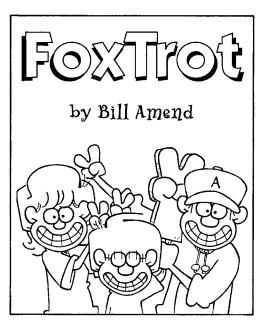
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Steal My Comic by Michael Ciuffo



Help Desk by Michiel Benitez











Crossword Puzzle

Solution, page 15

ACROSS

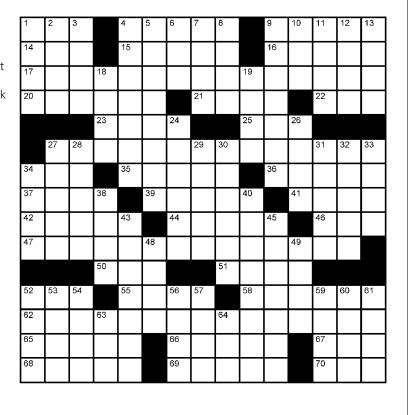
- 4 Shillong's state
- 9 Adagio, allegro, etc.
- 14 Part of mph
- 15 Florida city 16 King's territory
- 17 Bar
- 20 Audiophile's setup
- 21 Street-fighter's blade
- 22 Gender
- 23 Basics 25 Go lickety-split
- 27 Bar
- 34 Chum
- 35 Tint
- 36 Closet type
- 37 Longfellow's bell town
- 39 Go-ahead
- 41 Tater
- 42 Tack room gear
- 44 __ Loa volcano 46 Switchback curve
- 47 Bar
- 50 Uh-huh 51 Advocate
- 52 "Dune" composer Brian

- 55 High shots
- combat
- 65 Lennon's "Instant __"
- 66 On guard
- 67 Fr. woman's title
- 68 Simple weapon
- 69 The March King
- 70 Stand in the way

DOWN

- 1 Untitled work
- 2 Monthly payment
- 3 Semisoft cheese 4 Of a single-celled
- organism
- 5 Hot Sahara winds
- 6 "Casablanca" pianist
- 7 Writer Kingsley 8 Ho Chi __ City
- 9 Insignificant
- 10 Med. printout
- 11 Provides with a crew
- 12 Knee-bending movement 61 Unique person 13 Big name in big pictures
- 18 Monks' titles

- 19 Magnitude
- 26 Greek letters
- 27 San ___, CA
- 28 First Pope-canonized saint
- 29 True blue
- 30 Crewman under Capt. Kirk
- 31 Dismantle mortise joints
- 32 Try it again
- 33 Extremes 34 Paris greenery
- 38 Black as night
- 40 As commanded
- 43 Of constellations
- 45 Maine's capital
- 48 Each
- 49 Maiden name indicators
- 52 Moose cousins
- 53 Tidal situation
- 54 Made-up monster
- 56 Bikini parts
- 57 Go it alone 59 An arm or a leg
- 60 __ Linda, CA
- 63 Doctors' org. 64 Pot-au-__



FRIDAY, APRIL 30, 2010









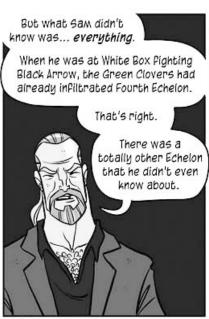


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Machinations



by Jerry Holkins and Mike Krahulik

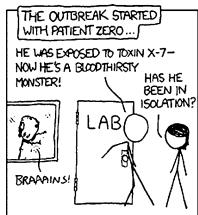


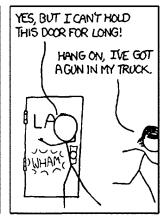




Outbreak











Let's get dinner after we promptly destroy all the X-7 in we've manufactured.

Sudoku

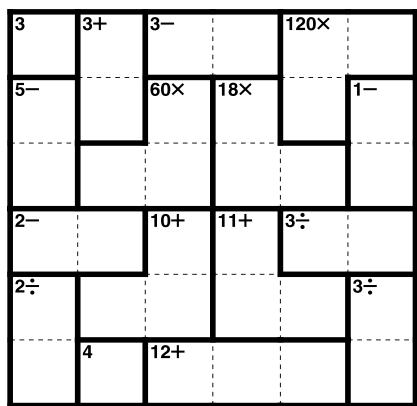
Solution, page 15

9	5			4	2	1	
		4	3				
	3	2					5
				6	8	3	
	2		7	5		6	
	6	1	9				
3					7	5	
				1	3		
	7	6	5			9	8

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Kenken

Solution, page 15



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1 through 6. Follow the mathematical operations for each box without repeating numbers.

SPECIAL FEATURE

Rock star of the classical world visits MIT

Dudamel, at the tender age of 28, wows and dazzles in MITSO rehearsal

By Joyce Kwan
STAFF WRITER

Venezuelan conductor Gustavo Dudamel visited MIT during Patriot's Day weekend to receive this year's \$75,000 Eugene McDermott Award in the Arts, conducting the MIT Symphony Orchestra in an open rehearsal and taking part in a panel discussion on music education.

Dudamel is somewhat of a rock star in the cutthroat world of classical music performance, rising to fame in less than a decade to become music director of the world-renowned Los Angeles Philharmonic at the tender age of 28 last year. A quick assessment readily explains classical music's eager embrace of him — his humble beginnings, youth, and a penchant for flamboyance are a much needed remedy for the elitism and stuffiness that has come to dominate the genre's image. But beneath

the facade is a genuine talent in commanding the orchestra as an instrument, as was demonstrated in the open rehearsal with MITSO. The transformation was marvelous; in less than an hour, MITSO became an extension of Dudamel, its sound fuller, style more dramatic, and response more pliant.

Dudamel conducted MITSO in two pieces, the first movement of Mozart's Symphony No. 38 ("Prague") and Rimsky-Korsakov's *Capriccio Espagnol*. He focused on the Mozart, probably because he had never conducted *Capriccio Espagnol* before, despite his affection for the piece. Though it was his first time, he did it by memory, cuing all the entrances as if it were second nature.

The hallmark of Dudamel's style is an unwavering insistence on meeting a very clear sound world in his mind. His patience is endless and he inspires musicians by conveying his enthusiasm for a piece, often at the risk of embarrassment. He sings,

he grunts, he makes bad analogies, but in the end everyone has caught his bug. For instance, after countless repetition failed to improve a portion of the Mozart, Dudamel compared the situation to not having enough ketchup in his hamburger that magically clinched everyone's imagination.

"It's as if you allow yourself to still be a child," said Maria Hinojosa, PBS journalist and moderator of the panel discussion. Hinojosa was referring to Dudamel's actions backstage during an introductory biopic — apparently, Dudamel began conducting when snippets of music played. The panel included Institute Professor John Harbison, one of today's most important composers, and Media Lab Professor Tod Machover, a major innovator at the intersection of music and technology.

The discussion revealed how Dudamel was able to form a rapport with MITSO so naturally. Raised in Venezuela, Dudamel

flourished in a goverment-run music program, El Sistema, aimed at empowering underprivileged children by cultivating a sense of teamwork, discipline, and insight through musical study. He attributed his approach to conducting to the social nature of El Sistema that encourages students to see each other as teammates.

"I don't feel like as the conductor I'm in a position that I'm the boss. It's not like I'm God and you have to shut up," Dudamel said during the panel. He likened conducting to cooking, saying that even if "I'm coming with the idea, everybody is helping me to cook."

The Eugene McDermott Award is an annual grant bestowed on promising talents in artistic disciplines. Established in 1974, it is one of the most generous arts grants in the US, giving the recipient a cash prize of \$75,000. Eugene McDermott was the cofounder of Texas Instruments and a long-time benefactor of MIT.

CONCERT REVIEW

Bible stories for adults

Jonah and the Whale delivers a morality tale for the ages.

By Sudeep Agarwala

STAFF WRITER

Given the short shrift faced by choral music in the twentieth and twenty-first centuries, it's surprising that Dominick Argento has attained the status he has. Argento's creative output includes a vast array of operas, choral works and song cycles (one of which, From the Diary of Virginia Woolf, earned him the Pulitzer Prize in music in 2004), yet a surprisingly small output of orchestral works: a relatively small number of symphonies and concerti, and practically no chamber works.

Play to your talents, then: Boston Modern Orchestra Project's recently finds Argento again in his home medium. Scored for small orchestra, chorus and soloists, Argento's Jonah and the Whale retells the classic tale from the Bible with a surprisingly supple intimacy. Inspired by Albertus Pictor's medieval rendering of the narrative on the ceiling of the church of Häkeberga in Sweden, Argento also takes his libretto from his own translation of the the 14th century Middle English poem Patience, or Jonah and the Whale (it is notable that in addition to composing the music, Argento single-handedly translated and fashioned the libretto as well). Argento's rendering of the narrative clips along in the same contorted medieval affect; figures are somehow two-dimensional, lacking in perspective or scale. Emotions are contrived and without nuance, the voice of God stands in the same perspective as that of Jonah's, while Greek choruses seem to fall to the startling foreground of the scene, watching on in immediate judgment as the drama unfolds at their very feet: the Argento's oratorio works hard to translate the somewhat boxy conscience of Pictor's medieval painting.

Clumsy? Yes. It's this juvenile affect this fine toeing between opera buffa and seria — that lends Argento's work its surprising power. Somehow, Jonah and the Whale invokes the innocent gravitas of a bed-time story staged for the concert hall. Less oratorio and more medieval morality play, Argento's work remains gentle and entertaining in it its delivery, yet surprisingly stark in its moral rendering. Certainly a unique voice in this form of story-telling, it's worth noting that Argento's work follows in a long line of English retellings of medieval texts, most famously by Benjamin Britten. This is not to say that Argento's work is a re-imagining of Britten's Canticles, Noye's Fludde, or Cantata Misericordium. Although certainly strongly influenced by the British composer's created genre of story/oratorio the thinking, the interpretation of the two composers is very different: while Britten's thinking, translation, even harmonic language, is very specific to the microscopic cosmos of twentieth century British music. Argento's work somehow manages to re-invent the genre, employing a distinct, somehow more modern and compelling interpretation when compared to his predecessor's. Argento's biblical fable certainly maintains the juvenalia of a story, while incorporating shockingly modern film techniques and tone painting, creating a much more modern, global narrative and scope

To this end, it's difficult to interpret the performance — almost necessarily tonguein-cheek, yet none less accomplished than any of its twentieth century comrades - of Argento's work. Thomas Oakes is nothing short of an avuncular narrator eloquent and fluent in the formalities of Argento's libretto, imitating and maintaining the stately pomp of the cantankerous orchestra (here the clumsy English horn, there the squawking organ), stilted chorus (confused and blathering one moment, proudly unified in the next) and sprechstimme of the basso profundo of Daniel Cole's voice of God. Tenor Daniel Norman, as Jonah, is lyrical and fluid, while maintaining a sense of nervous reverence and confusion, implicit in the biblical story, and certainly extant in Argento's score. A clean and well-balanced performance of (tonal and rhythmic precision is consistently razor-sharp in the face of Argento's more than challenging score) a success of ensemble and soloists lies in the interpretation of the work, along with individual and ensemble coherence, as inhabiting the fragile duality of children's tale and morality oratorio.

But strict definitions of genre aside, even ignoring the undeniable Biblical and reli-

Jonah and the Whale

Performed by the Boston Modern Orchestra Project and the Providence Singers

Dominick Argento, composer

Andrew Clark, conductor BMOP Sound

Released February 26, 2010

gious connotations of Argento's work, Jonah and the Whale manages a comfort and fluency that somehow remains unresolved in many twentieth century works. Certainly a modern work, Jonah is, by virtue of its inspiration and its texts, very old in its thinking, perspective and structure. Saccharine and cloy at parts, the work also manages supreme insight at others; it is this duality between old and modern, buffoonery and gravity, youth and maturity - that makes Argento's work so difficult to understand and interpret. However, it is also these very same aspects that some how make interpretation of Argento's work strangely accessible and intensely interesting for all members of

MOVIE REVIEW

Contradictions, deceit, and dirty politics

The Cartel reveals a U.S. education crisis

By Jenny Xie

STAFF WRITER

STAFF WRITER

"Cartel," noun, is just another word for a trust, a coalition and in some ways. a monopoly. A cartel is also what former Bloomberg Television reporter Bob Bowdon labels the American education system. Given the United States' persistent antitrust efforts, shouldn't they have already scrutinized and addressed this increasingly out-of-control industry? Perhaps the problem is that few actually know about all the messy politics entangled with our schools. In Bowdon's 90-minute rapid-fire documentary, he makes sure that his audience understands that in addition to health care and the economy, there is another crisis in this country.

Believe it or not, studies indicate that only 37 percent of high school seniors in the United States read at 8th grade level. The U.S. is also way behind all the developed countries in literacy, and even some less developed countries. As Bowdon lists these unsettling facts, we see him asking several pedestrians whether America should spend more money on education — their answers

are a resounding "Yes". Yet, the film goes on to reveal that the U.S. continues to spend more than any other country on education. This apparent contradiction is the essence of the *Cartel* crisis. Bowdon centers the film on New Jersey — the state with perhaps the most inefficient, monopolized education system in the nation.

In New Jersey, only 29 percent of graduating seniors are proficient in reading, only 40 percent in math: one school's per-classroom spending reached \$313,000, but only \$55,000 of that went towards teacher salary. Driven by such startling statistics, the film paints a full spectrum of the underlying factors, possible solutions, and limitations in this big dilemma. Bowdon investigates school decisions (is a \$30 million new football field worth it?); bureaucracy (why does New Jersey have fifteen school districts for the size of one district in Maryland?); shady construction (how did the New Jersey Schools Construction Corporation manage to lose \$1 billion?); the unions (is it alright for the teacher's union to fight with an all or nothing mentality and protect even the bad teachers?); and the lack of alternatives (why is there so much opposition to school

vouchers and charter schools?) The film exposes the questionable connections among all the power players in the education cartel and leaves the rest to us.

The Cartel presents all this controversial information engagingly, incorporating a variety of sources, including investigators, teachers, parents, students, union leaders, politicians, talk shows, newspaper headlines, etc. Using on-screen multiple-choice questions, diverse graphic representations of statistics, the film is also fast-paced. When confronted with the scene of the charter school lottery — where winning students cried tears of joy and losers cried tears of defeat — the audience is forced to realize that the public education crisis is here and now.

The Cartel is firmly opinionated — visible from its clear support for school vouchers and distrust in the teacher's union. However, are Americans kids really that behind? Is the New Jersey Education Association, the teachers' union, really that scary? Statistics are imposing, but who is to know that they are not at all misleading — just as how the film portrays NJEA's advertisements. Not every school system is like New Jersey's, and not every district in New Jersey

★★★☆
The Cartel
Directed by Bob Bowdon
Now Playing
Not Rated

is as corrupt as those depicted in the film.

Having come from a high school in NJ, I am now beginning to speculate why many parties in my district were so frustrated with the administration and board of education, and what it means when "Vote to pass the school budget today!" pops up all over the Facebook newsfeed.

I can't verify and judge everything Bob Bowdon reports, but I can say the information is highly stimulating. *The Cartel*'s comprehensive assessment of the current American school system offers the public much-needed exposure to an industry that, if reformed appropriately, will actually educate American children and make better use of our money.

THEATER REVIEW

Evil Dead: The Musical is a must-see

There are zombies, chainsaws, and zany hilarity. And people might spurt 'blood' on you.

By Michael T. Lin

The MIT Musical Theatre Guild is currently putting on Evil Dead: The Musical, based on the Evil Dead franchise from Sam Raimi. Personally, I'm somewhat ambivalent regarding the "post-modern" musical, the show that is aware that it's a musical and tries too hard to draw attention to that fact. My biggest complaint is that these musicals seem almost lazily written, with the occasional self-referential joke used to fill in wherever an in-universe one can't be found. That's not the case with Evil Dead. Rather, Evil Dead represents what a postmodern musical would look like with everyone involved the songwriter, lyricist, book writer, and the characters - were wholly dedicated to making the show as self-aware as possible, and doing so stylistically rather than attempting to be ironic about it. The result is a show that revels hilariously in its horror movie roots as it deconstructs the genre at the same time. Combined with MTG's remarkably talented, very B-movie execution, Evil Dead: The Musical is conceivably the most fun and entertaining show I've seen on campus.

The show itself is a pastiche of the three Evil Dead films, focusing mainly on the events of Evil Dead and Evil Dead 2 while the tone and numerous lines from Army of Darkness have been grafted on to it. Although there are many bonuses for audience members familiar with the particular franchise, the only thing that's really required to enjoy the show is the barest awareness of the conventions associated with horror movies and film. The black guy would probably have died first, had there been one around. As it is, that honor goes to the hero's innocent sibling whose common sense no one wants to listen to, followed by the ditzy red-shirt with no emotional relationship to the main characters, leaving the most close-knit group to fend for their lives.

The acting in Evil Dead: The Musical is top-notch, although vegetarians should be forewarned that there are heaping doses of ham with every scene. Christian Hegg plays protagonist Ash, and although he lacks the grizzled authority (and deadly chin) of Bruce Campbell, his performance is a worthy one, illustrating the transition from naïve college boy to resident genre-savvy demon slayer, complete with accurate costume, with ease, In one scene, Ash's hand attacks him of its own volition, and Hegg carries off the Jim Carrey-esque acting required to portray the phantom appendage...handily. Priscilla Army '10, in her last show with MTG, takes on a role that she is clearly comfortable in, although given her character arc throughout the show, it's difficult to imagine a role she could not act with ease. She begins as Cheryl, Ash's innocent, wholesome bookworm sister, but eventually graduates to a deadly foul-mouthed zombie with a wicked talent for bad puns. The supporting cast is likewise impressive, with even those in bit parts performing with gusto.

The music of Evil Dead: The Musical fits in well with the rest of the show, from the romantic ballad about love blossoming in a retail store ("Housewares Employee") to the large-scale demon song-and-dance number ("Do the Necronomicon") reminiscent of the Monster Mash or the Time Warp, the latter of which is even mentioned by name. The singing in the show is as good as anyone can expect, but the music in Evil Dead, interestingly enough, is not the biggest draw of the show. The show as a whole is centered on over-the-top fun and breaking the fourth wall, and the fact that musical numbers have been integrated into it only completes the wacky picture. Little conveys this idea as much as the "splash zone," the first three rows in the center section. Suffice it to say that you shouldn't be dressed to the nines if you choose to sit near the stage. I was wearing a rain slicker, rain pants, plastic booties

for my shoes, safety glasses, and I still found myself wishing I'd worn surgical gloves. If it hadn't been for my clipboard shield, my notes would have had quite a bit more stage blood on them than they do now. Trash bags and T-shirts are available at the show, but when Brad Smith as Jake, the world's most vocally talented hillbilly, is running along the front row spurting chocolate-based fake blood, there's only so much that cotton and plastic can do.

If you like shows that practically demand not to be taken too seriously, you'll want to see this show. If you really like zombie movies, you'll probably want to see this show. If you really like chocolate, you may want to sit in the front row with a funnel in your mouth Evil Dead: The Musical

The MIT Musical Theatre Guild

Next showtimes: Friday, April 30 and Saturday May 1 in Little Kresge

— although I wouldn't recommend it. And if you are a fan of the *Evil Dead* franchise, you have a duty to see this show. Performances are Friday and Saturday at 8 p.m. in Kresge Little Theatre. Demand is high, so arrive early if you can — and hail to the king, baby.



JACQUELINE KIRTLEY

Ash (Christian Hegg) holds the fallen body of Scott (Gregory Cushing) before breaking out into a rendition of "I'm Not a Killer" in MTG's production of Evil Dead: The Musical. The last performances are on Friday and Saturday at 8 p.m. in Little Kresge.

MIT CENTER FOR INTERNATIONAL STUDIES

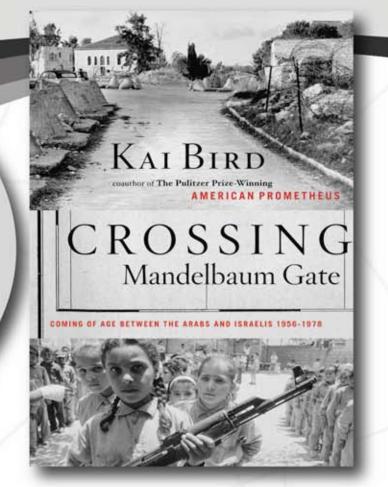
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Pulitzer Prize-winning author of

"American Prometheus,"

the first truly comprehensive biography on the life and times of

J. Robert Oppenheimer



BOOK TALK WITH KAI BIRD

Pulitzer Prize-Winning author of the Oppenheimer biography "American Prometheus" discusses his well-received memoir about coming of age in the Middle East.

Thurs, May 6, 2010 | 4:30p - 6p | MIT Bldg 66-110

Free and open to the public | Light refreshments

CONCERT REVIEW

Los Campesinos!, take two.

Icelandic band returns grittier, more worldly, and performs with almost a note of finality.

By Charles Lin SENIOR EDITOR

I miss Aleks Campesinos. The waifish redhead keyboardist seemed even smaller in person when I saw Los Campesinos! last year. Dwarfed by the keyboard, she looked straight out of a college band recital. Same went for the rest of the band. Average height, average looks. I don't know what parts indie rockers are supposed to play, but none of the members of Los Campesinos! were cast to fit

None of this mattered. That night, Los Campesinos! put on a hell of a show. They rocked the way you would expect out of a band sporting more hair grease and more affectations than their perfunctory punctuation. I think the approachability I felt from the band made the show. As they rocked out, it felt as if we rocked out. The audience knew every lyric and it seemed at times we were in one band. That could be me on stage. That could be them standing next to me.

That night I collected high fives from six out of seven Campesinos! as they tore their gear down. Their lead singer Gareth stood patiently to say hello and to thank the long line of waiting fans. Ollie, the drummer, wandered around aimlessly wearing only a pair of Umbros. I found Aleks at the edge of the stage and we talked about med school and various subjects ending in -ology. I could tell as much as she loved the ride of being an indie rock star, it was only just that. Already she could see the exit up ahead.

Last June, the band announced that Aleks had departed to continue her studies in medicine. Their third LP, Romance Is Boring, would be her last with the band. Now almost a year later, I found myself back at the Paradise Rock Club waiting for Los Campesinos! to start their spring US tour. The Icelandic Volcano had pushed their start date back and the band had just arrived a day before. They were wrought with jet lag and as Gareth said on stage, "a mix of tiredness and shame, which is my favorite way to feel."

They dug into their set, dug, because it certainly felt as if they were hard at work. The songs were the same, but they felt more abrasive. Gareth snarled. There used to be more violins, glockenspiel, nuances, in their songs. That musicality set them apart from all the other indie rockers. They used to prance around the stage playing each other's instruments. Now they hammered away. Swirling guitars and screamed lyrics. The same as any other band.

There was a point during the song Miserabilia, when Gareth screamed the lyric, "Shout at the world because the world doesn't love you." I used to take these lyrics with a grain of salt. There used to be a cuteness, a cheeky romanticism to the woe, but now I felt as if he really meant some of it.

And to be honest, everything seemed to be a bit more atonal. Heads were hung lower. Perhaps three years of non stop touring had removed them from what they had been. I can imagine the practice sessions in dingy basements near the University of Cardiff. They were from there. Welsh university students. They were that local band that caught fire. Last year Gareth talked about how in each successive year, more and more people came to their Boston show. This year, the ascent has leveled out. Perhaps the days of being wide eyed indie rock star darlings are behind them. The gigs are piling on, turning from once in a lifetime events into ordinary work. I think they still enjoy it, but the novelty has worn off. There is a feeling that this isn't a three year break to enjoy "the time of our lives," but rather the first glimpse down the barrel of, "the rest of our lives."

Ten songs down that barrel and what did

I see them launch into their hit Sweet Dreams, Sweet Cheeks off their first album. Suddenly Gareth is jumping into the audience, and Tom, the guitarist is there too. Gareth's mic gives out and for a moment, the vocals fade away. But then the audience chimes in, and in a mess of hopping people, the lyrics emerge. This is the Los Campesinos! I had an unhealthy obsession with last year. This is Gareth, Tom, Ollie, and the other Campesinos! melding into the crowd and somehow inviting us to join in their raucous revelry. It's brief and gone in a flash. The feedback lingers from the amps and then they are gone from the stage.

A few days later. I think back to my conversation with Aleks and I can imagine her as a doctor one day saying, "I was in a band once. We toured around the world for a few years." But it isn't more than a aside that subsides into the normal things us normal people do. And on the other hand, I can see Gareth and the rest of the Campesinos!, years from now, with more albums and shows under their belt. They played in a band too.

**** Los Campesinos! Paradise Rock Club April 27th, 2010

It was the time of their lives. Only that time morphed into another time, one that for better or for worse emerged as a good chunk of the rest of the lives.

They're stuck now in that transition. Maybe they have to do some soul searching, but that brief glimpse of electricity told me not worry. The future's not all that bleak. Los Campesinos! will hit their stride.



GREG STEINBRECHER-THE TECH

Los Campesinos! perform "Romance is Boring" from their album by the same name at the Paradise Lounge on Sunday night. Originally scheduled for Saturday night, the show was postponed because of travel problems caused by the volcanic ash over Europe.



FRIDAY, APRIL 30, 2010 **THE TECH 11**

Nilsson will retire at end of academic year

Dean controlled housing, dining

Nilsson, from Page 1

Gearty, a spokesman for Dean for Student Life, it is still early in the search process, and no appropriate candidates have been found.

"[Nilsson's successor] really needs to understand that MIT culture exists. Someone who is going to be successful is going to have to be able to embrace and work with it," said Peter D. Cummings, Senior Director of Finance for DSL.

This is Nilsson's 25th year at MIT. "She has been here from 1985 till now, in all of her various jobs ... you can say that there are few people who have not been affected by Karen's work," said Gearty. "Because of her longevity here, she is a great resource. Her wisdom and guidance have been very important."

"Having been here as long as I have been, I've been thinking about [retirement] for a long time" said Nilsson. As for the future, Nilsson is headed to a house on the beach, but her other plans are not yet finalized.

'I want to spend more time with my family, my grandchildren ... I have my children in the area."

In her role as a senior associate dean, Nilsson has responsibilities with Housing, Dining, and Residential programs and FSILGs. Nilsson has held many other posts at MIT. "Karen has affected thousands and thousand of lives at MIT over the course of her career," said Gearty.

As she organizes all the files and contacts she has accumulated in order to pass on to her successor, Nilsson is happy to reflect on her years at MIT. "It's a chance to recall... So I am trying to, before I leave, to describe the history of my work," she says.

Nilsson cites her interactions with students as the highlight of her career. "Commencement day is my most exciting day because I see folks walk across the stage to get that diploma," she says. "By the time you have finished your four years, students have developed into young men and women ready to take on

Controversies during her tenure

Some may remember Nilsson's controversial role in requiring a graduate student, Jonathan A. Goler '04, to remove a Israeli flag hanging outside his window in Sidney-Pacific Graduate Residence. At the time, Nilsson cited fire and safety hazards for her decision, but Goler claimed that it was for political reasons.

Today, Nilsson maintains that the issue was not what the flag was, but the fact that its grommets were slamming into the side of the building and damaging it. "I

was accused of something that was very hurtful," Nilsson says. "It was not about that." Nilsson says that she is a supporter of Israel. "This is just one issue that Goler and I will never agree on."

Nilsson also said that such safety violations have forced her to step in at other times. Seven months after the Israeli flag incident, residents at Bexley hung up a a banner reading "Bexxxley support Karen Nilssan [sic]" but Nilsson requested that they remove the banner as well because it was in danger of drifting into traffic and causing accidents.

Even in the most difficult times, my value system is if I can say at the end of the day, I did right by the students of MIT and moved the mission of MIT forward, I am OK." said Nilsson.

Legacy

Nilsson is particularly proud of the work she's done to drastically expand graduate housing on campus to include The Warehouse (NW30), NW35 (the new Ashdown House), Sidney Pacific, and Edgerton House. Nilsson has also been active in The MIT Energy Initiative.

Students can thank Nilsson for our system of registering pets for some residence halls. Before 2000, a campus-wide ban on pet ownership had not been enforced, resulting in problems including cats that were not neutered and spayed properly.

The administration then decided to enforce the ban. But because of student opposition, Nilsson worked with Jennifer A. Frank '00, who served on the MIT Corporation from 2002 to 2007, to craft MIT's current pet policy, under which cats are officially be allowed in some dorms - on the condition that owners register their pets and ensure that their cats are spayed or neutered and have the necessary vac-

Nilsson's work has not all been popular. Her support of the decision to convert Ashdown House (W1) to an undergraduate dorm and open a new, more expensive dormitory (NW35) was opposed by graduate students, who did not want to lose one of MIT's most affordable dorms and were worried about losing the dorm's sense community.

Nilsson then worked with the Graduate Student Council to come to a consensus about NW35, and what its community spaces and rooms should be like. She believes that in the end, she was able to make the students happy by creating a new living space and community.

"I will miss MIT," Nilsson says. "It's been the greatest place I have worked at. It's given me a career and a life that I've never imagined."



Dance Geek Mafia, composed of Daniel S. Kim '11, Carter A. Chang '12, Jonathan H. Blackwood '11, and Stephen G. Goodman '12 from MIT Dance Troupe, won Best Overall Act for their dance composition during AXO'S 22nd annual Lip Sync concert on Saturday in Kresge Auditorium.

Police Log

The following incidents were reported to the Campus Police between March 10 and April 19. The dates below reflect the dates the incidents occurred. This information is compiled from the Campus Police's crime log. The report does not include alarms, general service calls, or incidents not reported to the dispatcher.

- Jul. 1, 2009 Bldg. E60 (30 Memorial Dr.), 9:00 a.m., larceny of equipment.
- Jun. 1, 2009 Bldg. 32 (32 Vassar St.), 9:00 a.m., past larceny of tools.
- Bldg. W89 (MIT Police Office, 291 Vassar St.), 5:41 p.m., person at MIT Police reports Sep. 1, 2009 being harrassed by ex-boyfriend.
- Feb. 15 Bldg. 12 (60 Vassar St.), 4:00 p.m., larceny of laptop.
- Bldg. W34 (Z-Center, 120 Vassar St.), 3:00 p.m., larceny of items from locker. Feb. 26
- Mar. 8 Bldg. NW13 (144 Albany St.), 9:00 a.m., larceny of copper.
- Mar. 10 Bldg. 24 (60 Vassar St.), 2:00 p.m., larceny of computer. Bldg. 18 (21 Ames St.), 12:00 p.m., report of missing equipment. Mar. 11
- Bldg E25 (45 Carlton St.), 7:38 p.m., director of lab calls to request police assistance to Mar. 11
- remove ex-employee from lab after being terminated a week ago. Individual escorted off Bldg. 54 (21 Ames St.), 10:30 p.m., door of conference room broken in. Multiple Mar. 12
- photographs taken of scene.
- Bldg. E26, 9:02 p.m., Sloan security guard reports white male, 6ft, wearing black trench Mar. 15 coat in the construction area. Guard tried to approach subject, who started to run. Person located and will be summoned for trespassing.
- Bldg. W70 (New House, 471 Memorial Dr.), 4:00 p.m., larceny of a credit card. Mar. 17
- Bldg. NW21 (190 Albany St.), 6:00 p.m., larceny of copper pipe. Mar. 19
- Mar. 19 Bldg. 14 (160 Memorial Dr.), 10:10 p.m., suspicious person in front of Bldg. 14. Dennis Sheehan of Boston, MA, arrested on warrants.
- Bldg. 4 (182 Memorial Dr.), 11:36 p.m., subject stopped on second floor. Trespass warning Mar. 19
- Bldg. 39 (60 Vassar St.), 3:45 a.m., 3rd floor, Eva Morales, AKA David Anthony Morales of Mar. 20 Boston, MA, arrested for trespassing.
- Mar. 20 Bldg. 14 (160 Memorial Dr.), 10:45 p.m., trespass warning issued.
- Bldg. W20 (Student Center, 84 Massachusetts Ave.), 1:00 a.m., check of student center. Mar. 21 Trespass warning issued.
- Mar. 21 Bldg. 33 (125 Massachusetts Ave.), 12:20 p.m., suspicious person observed in classroom.
- Fabio Armelio of Medford, MA arrested on outstanding warrant.
- Mar. 21 Bldg. 1 (33 Massachusetts Ave.), 11:30 p.m., larceny of bicycle secured with cable lock.
- Mar. 22 Bldg. 26 (60 Vassar St.), 1:40 a.m., Mustapha Zagui of Revere, MA, arrested in 26-100 after argument with officers.
- Bldg. 32 (32 Vassar St.), 4:20 a.m., suspicious person stopped. Trespass warning issued. Mar. 22
- Mar. 22 Bldg. 26 (60 Vassar St.), 5:10 a.m., suspicious person stopped. Trespass warning issued. Bldg. W89 (291 Vassar St.), 10:30 a.m., trespass warning issued. Mar. 22
- Mar. 23 Bldg. 32 (32 Vassar St.), 12:30 a.m., report of suspicious activity.
- Mar. 24 Bldg. E15 (20 Ames St.), 6:00 p.m., report of suspicious activity.
- Bldg. W20 (Student Center, 84 Massachusetts Ave.), 10:33 p.m., report of an unwanted person Mar. 25 at a function, person refusing to leave. Trespass warning issued and person sent on way.
- Mar. 26 West Garage (125 Vassar St.), 8:38 p.m., Yuan Chu of Dennis, MA, arrested on outstanding
- Bldg. 10 (122 Memorial Dr.), 2:04 a.m., suspicious person observed. Trespass warning issued. Mar. 27
- Mar. 27 Bldg. 23 (32 Vassar St.), 10:55 a.m., larceny of DVD's.
- Bldg. 2 (182 Memorial Dr.), 6:28 p.m., suspect wanted on warrants observed. Fabio Mar. 27 Armelio of Medford, MA, arrested.
- Bldg. 9 (105 Massachusetts Ave.), 7:00 p.m., larceny of bicycle secured with cable lock. Mar. 27
- Mar. 27 Bldg. W20 (Student Center, 84 Massachusetts Ave.), 9:30 p.m., two suspicious individuals
- identified. Trespass warnings issued and subjects escorted from area. Mar. 28 Bldg. 16 (21 Ames St.), 2:00 p.m., report of malicious destruction.
- Bldg. NW10 (143 Albany Ave.), 3:21 a.m., report that something fell. Area checked. Area Mar. 29 and building secure.
- Bldg. 2 (182 Memorial Dr.), 2:20 a.m., female with no MIT affiliation reports sexual assault. Mar. 30
- Bldg. 2 (182 Memorial Dr.), 3:45 a.m., Jason Reed of Boston, MA, arrested for trespassing. Mar. 30 Additional charges for rape.
- Mar. 30 Bldg. W35 (100 Vassar St.), 8:30 p.m., larceny of backpack with clothing.
- Mar. 31 Bldg. 35 (127 Massachusetts Ave.), 9:00 a.m., larceny of bicycle. Mar. 31 Bldg. W89 (291 Vassar St.), 9:35 a.m., report of possible identity theft via fraudulent eBay
- Mar. 31 Bldg. E23 (25 Carlton St.), 10:00 a.m., larceny of wallet.
- Mar. 31 Bldg. 4 (182 Memorial Dr.), 3:00 p.m., larceny of laptop.
- Apr. 1 Bldg. 4 (182 Memorial Dr.), 8:00 a.m., larceny of tools. Apr. 1 Fowler St., 10:00 a.m., malicious damage to vehicle window.
- Apr. 1 Bldg. NW35 (Ashdown House, Albany St.), 3:27 p.m., serving of a civil restraint order.
- Apr. 1 Bldg. W7 (Bakes House, 362 Memorial Dr.), 9:15 p.m., larceny of cash.
- Apr. 2 Delta Tau Delta (416 Beacon St.), 10:00 p.m., larceny of purse.
- Apr. 3 Delta Tau Delta (416 Beacon St.), 12:10 a.m., larceny of purse.
- Zeta Beta Tau (58 Manchester Rd.), 1:28 a.m., report of rock thrown through window.
- Apr. 5 Bldg. 4 (182 Memorial Dr.), 2:00 a.m., report of suspicious person. Trespass warning issued.
- Tau Epsilon Phi (253 Commonwealth Ave.), 11:25 a.m., larceny of credit card. Apr. 5
- Bldg. W85 (540 Memorial Dr.), 3:01 p.m., suspicious vehicle observed. Operator has Apr. 5 suspended license. Bldg. 1 (33 Massachusetts Ave.), 3:50 p.m., report of male of average height and weight Apr. 5
- wearing maroon shirt and dark colored hat peeping into women's restroom on 1st floor. Area checked with negative results.
- Bldg. W34 (Z-Center, 120 Vassar St.), 9:25 a.m., suspicious person observed. Checked out
- 407 Memorial Dr., 10:40 a.m., trespass warning issued.
- Bldg. E25 (45 Carlton St.), 10:46 a.m., suspicious person in area. Apr. 7 Bldg. W20 (Student Center, 84 Massachusetts Ave.), 2:09 p.m., larceny of iPhone that was
- Apr. 7 left behind on steps.
- Bldg. 6 (182 Memorial Dr.), 6:30 p.m., larceny of laptop. Apr. 7 Apr. 7 Bldg. 66 (25 Ames St.), 7:00 p.m., report of suspicious person.
- Bldg. E19 (Main St.), 11:00 p.m., larceny of construction equipment. Apr. 7
- Apr. 8 Lambda Chi Alpha (99 Bay State Rd.), 1:00 a.m., larceny of wallet. Apr. 8 Bldg. NE28 (700 Tech Square), 11:30 a.m., suspicious person attempting to cash checks.
- Brian O'Connor of Woburn, MA, arrested for larceny by false pretense. Apr. 8 Hayward Lot, 2:38 p.m., report of vehicle struck on Hayward St. Upon investigation, two
- vehicles were struck.
- Apr. 8 Bldg. 64 (21 Ames St.), 3:30 p.m., MIT property stolen from walkway.
- Apr. 9 Bldg. E51 (70 Memorial Dr.), 5:00 p.m., larceny of several computer monitors. Apr. 10
- Kappa Sigma (407 Memorial Dr.), 12:00 a.m., larceny of purse with personal belongings,
- Bldg. W20 (Student Center, 84 Massachusetts Ave.), 1:30 a.m., larceny of credit card. Apr. 11
- Apr. 11 Bldg 66 (25 Ames St.), 8:30 a.m., report of suspicious activity. Bldg. E19 (400 Main St.), 12:31 p.m., report of homeless male trying to gain access to E19. Apr. 11
- Apr. 12 Bldg. 10 (122 Memorial Dr.), 2:55 p.m., report of unauthorized person living in Cheney
- Apr. 12 Bldg. 7 (77 Massachusetts Ave.), 7:00 p.m., larceny of bike parts.
- Apr. 14 Bldg. E52 (50 Memorial Dr.), 1:50 p.m., suspicious person in area.
- Apr. 16 Bldg. 16 (21 Ames St.), 2:15 p.m., larceny of bicycle from hallway area.
- Apr. 18 Bldg. E52 (50 Memorial Dr.), 11:00 a.m., larceny of bike. Apr. 18 Bldg. W7 (Baker House, 362 Memorial Dr.), past larceny of laptop.

Trespass warning issued.

COMPILED BY STEVE HOWLAND

12 THE TECH FRIDAY, APRIL 30, 2010

Case could affect how research goes to market

Supreme Court, from Page 1

Stanford's petition to the Court and the three *amicus* briefs.

According to MIT's brief, "the clarity of title to federally funded inventions" generated by research institutions — including MIT — is at stake.

"We thought this was an important case, and we thought we could contribute in a unique way, so we did," said R. Gregory Morgan, Vice President and General Counsel, MIT's chief legal officer.

Stanford appealed the case to the Supreme Court on March 22, and two groups in addition to MIT have filed amicus briefs: the Association of American Universities, of which MIT is a member, representing 32 schools; and the Wisconsin Alumni Research Foundation, representing 10 institutions. MIT's brief represents only itself.

The *Stanford v. Roche* case began in 2005 when Stanford University sued pharmaceutical company Roche for patent infringement, over

a method for quantifying HIV devised by a researcher, Mark Holodniy, and collaborators. Holodniy was involved in work at both Stanford and a company purchased by Roche.

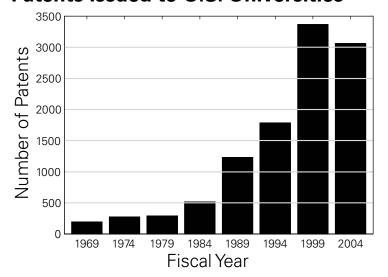
Stanford prevailed before the Northern District of California, but lost on appeal in Federal Circuit Court.

Holodniy's agreement with Stanford stated that he "agree[d] to assign" rights to Stanford, but his agreement with Roche's predecessor was that he "will assign and do[es] hereby assign." The circuit court decided in favor of Roche in part because of this language.

According to MIT's amicus brief, "MIT has received an aggregate of \$19.9 billion in research funding from the federal government" since Bayh-Dole was passed into law, and "this enduring flow of research funding to the Institution has produced extraordinary public benefits."

"Taxpayers should care because billions of research dollars are being turned into commercial products,

Patents Issued to U.S. Universities



SOURCE: UNITED STATES PATENT & TRADEMARK OFFICE

Patents issued to U.S. universities every five years since 1969. In 1980, the Bayh-Dole Act was passed, and many more patents were issued.

and that's happening with fair efficiency for university-held patents," Morgan said.

In fiscal year 2009 alone, MIT was issued 153 new U.S. patents, received 501 new invention disclosures from its faculty and researcher, filed 131 new U.S. patent applications, and was granted 85 patent licenses and options, the brief said.

The brief also points out that, according to a 2009 report, "living MIT graduates, faculty, and staff have founded 25,800 active companies, which employ at least 3.3 million people and generate \$2 trillion in annual revenue worldwide," making the implications of this case's review especially relevant.

"If those MIT related companies formed a nation, they would comprise the 11th largest economy in the world," it says.

To draw attention to some of these economic implications of the case, the MIT's brief begins with a focus on

data

"I wanted a brief that said on page one that this is really important. Forget the law for a moment, this is really important — more important than you might recognize," Morgan said.

"[The other briefs] start with the law and talk about what the law says, and then on page 25, they say, 'By the way, Bayh-Dole is a really important statute and billions of dollars are at stake," he said.

"But there's no guarantee that the Supreme Court will get to page 25."

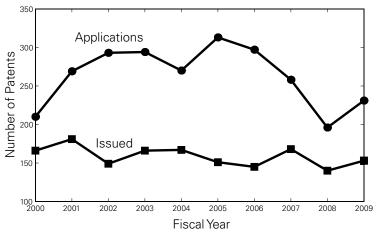
MIT's contingency response

As a result of the lower court decision, MIT has revised its Inventions and Proprietary Information Agreement that MIT researchers are required to sign at the beginning of their employment with MIT

In a revision circulated yesterday to the administrative community, the language of the IPIA changed from "I agree ... to disclose promptly to and assign to MIT all rights..." to "I will disclose promptly to and assign to, and I hereby assign to MIT all rights..."

The new form only needs to be signed by new employees and researchers; at this time, MIT does not intend to require existing employees to sign the new form, according to Tena Z. Herlihy, Counsel to the Technology Licensing Office.

MIT Patents Applied for and Issued



SOURCE: JACK H. TURNER, MIT TECHNOLOGY LICENSING OFFICE

Patents applied for by MIT and issued to MIT, by year, from 2000 through 2009.

Ashdown residents fight loading dock proposal, favor trees

MIT Real Estate plans to replace trees west of Ashdown with a loading dock and dumpster, despite disapproval from the Ashdown House Executive Committee (AHEC). According to an email to Ashdown residents from AHEC chair Matt D. Haberland G, MIT hopes the changes will "attract new industrial tenants."

Haberland explained that Ashdown's government is concerned the development of the new loading dock and dumpster will bring noise and an "unwelcome change of scenery." Additionally, the changes would introduce safety risks as delivery trucks on the modified driveway would grant Ashdown access to non-MIT personnel.

Haberland also stated that property lines would likely be redrawn as a result of this project. During Ashdown development, "the area in question was promised to the City to remain a light use green space," the email said. The AHEC recommended the loading dock be moved in a recent meeting with other local dorm officials, Graduate Student Council chairs, and representatives of MIT Facilities, Housing, and Real Estate, but these suggestions were rejected.

Haberland outlined two options for Ashdown in his email, including blocking construction at the project's public hearing, which could "break the real estate deal" with the tenant at 281 Albany St., or working with MIT administration to create guidelines for the dock's construction and use.

The AHEC plans to meet today with representatives from the parties involved to "finalize a mitigation plan."

—Maggie Lloyd

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Ben Huh, CEO of Pet Holding, Inc., talks about the emergence of internet memes like "lolcats" and "Rickrolling" during a talk sponsored by the MIT Sloan Innovation club on Thursday in E51. He explained how he has created a successful business of meme websites (which include *icanhascheezburger.com*). Huh will also be speaking at the second annual ROFLcon, a conference on internet culture at MIT this weekend.

Friday, April 30, 2010

Elite universities reconsider their ROTC bans

The Pentagon's stance on gays in the military remains a stumbling block

By Bryan Bender

THE BOSTON GLOBI

WASHINGTON — Administrators at Harvard, Brown, and other elite universities are softening their resistance to the Reserve Officers' Training Corps more than four decades after the military scholarship programs were driven from campus in the face of fierce antiwar sentiment.

Many professors, students, and administrators say the more welcoming climate is a result of growing support for the military since the Sept. 11, 2001, terrorist attacks. But they contend it has become pronounced since February, when Pentagon leaders for the first time advocated overturning the law that bans gays and lesbians from serving openly in the ranks.

Some college administrators consider the ban on gays in the military discriminatory and have cited it as a reason to keep full ROTC programs off campus long after the Vietnam War ignited the controversy.

"The declaration of military leaders regarding abolition of the 'don't ask, don't tell' policy means the fig leaf that university administrators and professors have been hiding behind is about to be withdrawn," said Army National Guard Captain Marc Lindemann, a Harvard Law School graduate who completed an analy-

sis of the issue for the Army War College in Carlisle, Pa.

Harvard, which has not fully recognized ROTC since the antiwar protests of the early 1970s, now allows the small number of its students who participate in the program at MIT to be commissioned as officers in Harvard Yard upon graduation. And in a highly symbolic show of support, the president of the university, Drew Gilpin Faust, has attended the ceremonies the past two years and is expected to attend again next month. Harvard also now allows cadets to include their ROTC affiliation in yearbooks.

"They have been far more receptive," said retired Navy Captain Paul

"We are developing a separate military caste that the [nation's] founder never intended."

— David Kennedy stanford history professor

E. Mawn, a 1966 Navy ROTC graduate who runs the group Advocates for Harvard

ROTC, which he said has 2,300 members. Last year, he said, Harvard "even invited General David Petraeus," the top US commander in

the Middle East, to the commissioning ceremony.

At Brown University in Providence, where Army ROTC students must commute to Providence College for drills and military science classes, a top dean has pledged to do more to support students in ROTC, including finding ways to award them academic credit for their military courses.

Last month, the Faculty Senate at Stanford University in Palo Alto, Calif., established a committee to study whether to overturn its ban.

And in another sign of a thaw, the president of Columbia University, Lee Bollinger, predicted after an April 10 meeting with Admiral Mike Mullen, the nation's top military officer, that "the campus will be much more receptive — this and other universities, if not almost all of them — to rebuilding that relationship."

"I think the policy has been anachronistic for a long time," said David Kennedy, a history professor at Stanford who, along with William J. Perry, the former secretary of defense, proposed the university's committee that's studying the issue. "We are developing a separate military caste that the [nation's] founders never intended."

The policy reviews come at an opportune time; ROTC scholarship applications nationwide are increasing between 12 and 15 percent each year, according to officials.

The ROTC program dates to 1862, when the federal government established land-grant colleges and required them to offer military instruction as part of their curriculum.

ROTC cadets receive college tuition in return for a commitment to serve at least four years in the Army, Navy, or Air Force.

In recent decades, it has provided cadets college tuition in return for a commitment to serve at least four years as an officer in the Army, Navy, or Air Force.

ROTC cadets first studied at Norwich University in Vermont, and the program had deep roots in the Ivy League until the turmoil of the Vietnam War, when the cadets were the most visible sign of the military on campus.

The Army ROTC unit at Harvard abandoned the campus in 1970, followed a year later by the Air Force and Navy units. Other universities did not renew their contracts with the Department of Defense.

While the number of ROTC units rebounded around the country in subsequent years, the program remained exiled from some of the nation's most selective universities, including Harvard, Yale, Columbia, Stanford, Brown, and the University of Chicago.

In the 1990s, these universities maintained that the military's stance on gays conflicted with their own antidiscrimination policies, justifying a continued refusal to recognize ROTC.

Some universities, including Harvard, also took steps to bar military recruiters from campus, but a 1996 law and a 2006 Supreme Court ruling stipulated they must provide access to recruiters and allow their students to participate in ROTC programs. Still, for ROTC students at universities that do not fully recognize the program, this means not only commuting to another school for military instruction — which is commonplace for other universities that have consolidated ROTC programs - but also not receiving credit for their military science courses.

This year, Harvard has 20 undergraduates enrolled in ROTC at MIT. But it does not credit their ROTC courses or share program costs. Instead, private funds from Harvard graduates cover the estimated \$400,000 to provide the students with classroom space, instructor salaries, and other support, according to Mawn.

"We want to get official recogni-

tion and create a long Crimson line of ROTC graduates," he said.

Other influential alumni voices say a policy change is long overdue, especially now that the military leadership has changed its view of the "don't ask, don't tell" policy on gays and lesbians serving in the military.

"The emperor has no clothes,"

"The emperor has no clothes," said Theodore Roosevelt IV, a Navy ROTC graduate of Harvard who served two tours in Vietnam. "If the Harvard faculty thinks it's inappropriate [to embrace ROTC], then they are being intellectually dishonest. Harvard has a long, distinguished history of creating future leaders, including military leaders."

A Harvard spokesman, John Longbrake, said there are no plans to significantly change its stance on ROTC, but indicated that the Pentagon's ongoing review of the policy on gay military service could change that. The university administration, he said, will "follow any federal policy changes with interest."

Other schools are doing more. At Brown, which has only one student enrolled in the ROTC program at Providence College, a new student group called Students for ROTC at Brown is circulating a petition calling for Navy or Air Force ROTC departments to be reinstated and urging the university to award credit for Army ROTC cadets at Providence College.

"Our main goal is to reinvigorate the program and increase the population," said Keith DellaGrotta, a senior who started the group but is not in the ROTC.

The university administration, for its part, says it is highly receptive. "We have had some very good conversations about how we can better support students in the program," said Katherine Bergeron, the undergraduate dean of the university. "We are looking forward to, or anticipating, a day when more students are interested in participating."

While she said the issue of awarding credit would have to be voted on by the faculty, "I think it would be a very worthwhile thing to do." But she acknowledged there are practical challenges. For example, official recognition might require Brown to have its own department of military science, staffed by members of the Brown faculty.

As for the military, leaders are eager to see the program fully embraced.

After his meeting with Columbia's president this month, Mullen, the chairman of the Joint Chiefs of Staff, said he sees a "transformative moment" for the ROTC debate.

"I think representation . . . in particular [at] universities in the Northeast would be of great benefit to both the universities as well as the military, as well as the country," Mullen said.



ELIZABETH D'ARIENZO—THE TECH

Members of MIT's Navy ROTC march by in the military ceremony Pass in Review this past Friday. The ceremony featured some common military traditions and described the deep history MIT has as one of only 25 universities with all three ROTC programs — Army, Navy, and Air Force.



14 THE TECH FRIDAY, APRIL 30, 2010

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Owen Gleiberman, ENTERTAINMENT WEEKLY







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OU'LL BE LAUGHING HELPLESSLY!

Scam artist targeting MIT community

MIT Police are alerting the MIT community to a scam artist tricking unsuspecting members of the MIT community.

According to an e-mail to the MIT community from Sgt. Cheryl D. Vossmer of the MIT Police, the suspect, described as a middleaged black man of medium build, is known to wear business attire and approach his victims with a story of personal misfortune. Some stories he has offered include his car being towed, his child needing medication, and his wife staying in the hospital.

After explaining he has lost his wallet or credit card, the suspect then allegedly asks his victim for money. To gain his victim's trust, he offers his cell phone number; victims called this number in his presence to confirm it is legitimate, but the phone number he offers cannot be traced.

In exchange for cash, the suspect has also offered to write his victims a check, which later bounces. According to Vossmer's email, "victims have lost anywhere from pocket money to several hundred dollars."

MIT Police recommend calling 617-253-1212, or 100 on a campus phone, if approached by a stranger asking for money.

–Maggie Lloyd

E-MAIL OF THE WEEK

In an e-mail to the Simmons Hall sponge-talk mailing list, about the Simmons room painting policy, Jerry D. Richard '10 wrote:

"Compared to many other dorms here at MIT, Simmons lacks character. Or, perhaps the character that it has is one of a sanitized bureaucracy."

E-mail of the Week quotations are used with permission.

MIT stays mum on prefrosh inquest

Prefrosh, from Page 1

groups before CPW by the dean of student life, and also communicated to CPW student hosts by the admissions office staff," he wrote.

Deans in the Division of Student Life could not be reached yesterday to comment on this story. Residential Life is part of DSL.

Tom Gearty, spokesman for DSL, said yesterday he had not heard of the investigation.

MIT Police Captain Jay A. Perault declined to comment on the incident, which did not appear in published police logs. Perault was directed not to comment by Police Chief John DiFava and the MIT News Office.

MIT communications director Nathaniel W. Nickerson, who looked into the incident at The Tech's request, declined to comment.



Joseph S. Lee '08 prepares a tasty treat for Professor W. Eric L. Grimson PhD '80, head of the EECS department, at one of the many food booths during the Association of Taiwanese Student's annual Strait To Taiwan event on Tuesday in the Stata Center



Tiffany A. Chen '12 teaches Andrew D. Bosson G how to play the erhu, a Chinese bowed string instrument, after the MIT Chinese Ensemble's spring concert on Sunday in Twenty Chimneys. The concert featured several pieces with traditional Chinese instruments like the dizi, guzheng, and pipa.

Friday, April 30, 2010 **THE TECH 15**

Feld remembered as welcoming, prolific scientist

Feld, from Page 1

at MIT he was an active contributor to the Institute community; he was particularly proud of his work helping to develop a welcoming ambience for minority students, staff and faculty.

"He had an amazing track record of mentoring African-American scientists, including astronaut Ronald McNair, who received his PhD in 1977 under Michael's supervision. In turn, Ron became Michael's karate master. Michael delighted in illustrating the physics of karate with classroom demonstrations like breaking a wooden board with a swift blow. And when Michael stopped advancing at the brown belt, he encouraged his sons to persist to obtain black belts, showing that the true master is the one who helps others to achieve their best," said Edmund Bertschinger, head of MIT's Department of Physics.

Feld's research interests ranged from fundamental physics - superradiance and innovations in laser spectroscopy — to biomedicine and biomedical engineering, new kinds of microscopy, spectroscopic identification of cancer cells, and novel uses of the electric field to study cell behavior. In 1973, Feld made the first experimental observation of superradiance, the collective spontaneous emission of an assembly of excited atoms. In 1987, he began a series of experiments to study the radiation of a single, isolated atom in an optical resonator, which led to the first demonstration of enhanced and suppressed spontaneous emission and radia-



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Solution to Crossword

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Solution to Sudoku

Solution to Kenken

tive level shifts in an open optical resonator and, in 1994, to the development of the single atom laser.

Feld's more recent research activities dealt with laser biomedicine. He directed the Laser Biomedical Research Center at MIT, where he worked on the use of fluorescence and Raman spectroscopy to diagnose biological tissues and image disease via endoscopy and optical tomography.

Feld was a hard worker who inspired his students to follow his example, said Ramachandra Dasari. associate director of the Spectroscopy Lab, who has been a friend and colleague of Feld's since 1980. At the time, Feld was trying to persuade Dasari to leave a job in India to come to MIT, which he was reluctant to do. "I told him to give me a 10-month appointment and then Feld's friendship and willingness to let Dasari work on whatever he liked convinced him to stay. "Both professionally and personally my life has been intertwined with Michael's for so many years we have become members of each other's families," said Dasari.

Feld supervised more than 50 PhD students during his career, and even in the past few months, as he was in and out of the hospital, he continued coming into the lab and working with his graduate

He also enjoyed singing and started a group called the Spectratones, which performed at Spectroscopy Lab events. Many of the group's songs were based on poems that Feld composed about his students and colleagues, said

I would go back," Dasari said. But Dasari. Last summer, the Spectratones performed at "Feld Fest," a symposium held to honor Feld's 50 years at MIT and 33 years as director of the Spectroscopy Lab.

> Feld received the Thompson Award in 1991 for the development of biomedical Raman spectroscopy, and the Vinci of Excellence (France) in 1995 for development of the single atom laser. In 1992, he was the Wolk Visitor and Lecturer at Colgate University. He was 1996 Distinguished Baetjer Colloquium speaker at Princeton University. He was a research member of the joint faculty of the Harvard-MIT Division of Health, Science and Technology, and an adjunct staff member in the Department of Cardiovascular Research of the Cleveland Clinic Foundation. In 2003, he received the Lamb Medal of

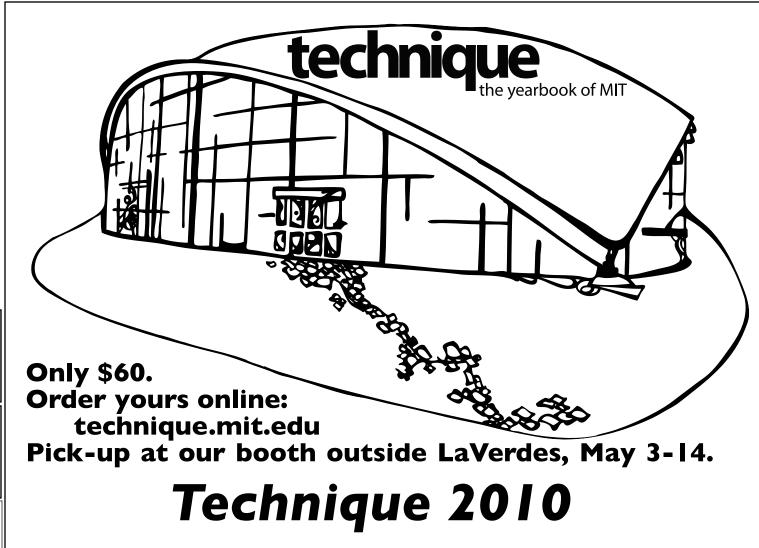
the Physics of Quantum Electronics Conference for the first experimental demonstrations of superradiance and the microlaser and for pioneering applications of optics to biological physics. In 2008, the Optical Society of America gave him its prestigious William F. Meggers Award in recognition of his major contributions to the foundations of laser spectroscopy and his pioneering developments in the application of spectroscopy to biomedicine.

He is survived by his wife. Alison Hearn, and his three children, Alexandra, Jonathan and David.

There will be a memorial service at MIT later this spring.

This obituary originally appeared at http://web.mit.edu/ newsoffice/2010/obit-feld.html.

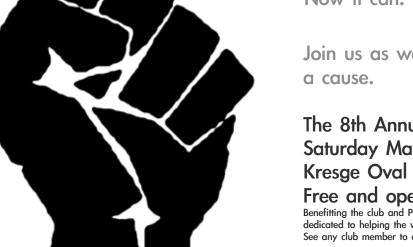
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Cycling team wins Eastern Conference title again

By David Singerman

For the second year in a row, the MIT cycling team won the Eastern Conference overall title, defeating several pow-

erhouse schools on its way to the combined Division I and
II title. Although host Dartmouth College won
the championship weekend, the Engineers
took a close second place to claim the season
omnium title

Additionally, Martha W. Buckley G claimed the individual omnium title as well

as the sprint jersey in the Women's A field.

After last weekend's racing at West Point, MIT held the overall conference lead. However, with double points at stake during the championships, both Dartmouth and the perennial Division 1 winner, University of Vermont-Montpelier, were still serious threats. With Dartmouth riding on home roads they were especially dangerous.

The championship weekend began with the team time trial (TTT), an event which has always been a strength of the MIT team. The MIT women's team showed without a doubt that they were both the strongest and deepest women's team in the conference. The untouchable Women's A

team of Buckley, Laura R. Ralston G, Yuri Matsumoto G, and Zuzana Trnovcova G defeated Dartmouth to win the Women's A TTT. Not content with just one gold in the TTT, the Women's B team of Stefanie A. Sydlik G, Shaena R. Berlin '13, Katie J. Quinn G, and Melissa A. Gymrek '10 won the Women's B TTT by over a minute. Showing the depth of the women's team, the Women's C team of Kristen E. Railey '13, Kristin D. Schleicher G, Rachel M. Bainbridge '10, and Ariadne G. Smith '10 took second. The Men's B team of Christopher T. Carper '10, Sam W. Hickey G, Ian M. Rousseau '10, and Spencer D. Schaber G missed first place to UVM by an agonizing four seconds out of 22 minutes, but soundly beat Dartmouth. Although the MIT Men's A and Men's C teams were beat out by both UVM and Dartmouth, solid performances by all the men's squads and the utter domination of the women's team prevented Dartmouth from gaining

MIT riders again showed their strength that afternoon with high placings in the wickedly difficult and fast criterium. Hickey took a fantastic third in Men's B, and Matthieu J. Talpe '11 and John W. Romanishin '12 took sixth in Men's C and D, respectively. Unfortunately, victories in both the Men's A and Men's C races allowed Dartmouth to gain a few points on MIT. In the women's races Ralston took second in the A field, and after a long and hard race Quinn was narrowly edged out at the line to take second in C's. Although Dartmouth won the women's A race, the depth of the MIT women's team and the prime points scored by Buckley, who took first in every prime in the women's A race, allowed the MIT women to edge out Dartmouth to get maximum team points.

Sunday sent the riders on a beautiful road race course in Vermont, featuring races ranging from 73 miles for the Men's A field to 11 miles for the Intro fields with almost a thousand feet of climbing per lap plus a two-mile climb to the finish line. In the first real road race of the season MIT performed spectacularly against schools that enjoy much hillier roads for training. In the Intro category, Tony Laidig G took second and Schleicher rode up the hill in first. Adam P. Bry G, Hickey, and Schaber took top ten placings in their races, while John J. Rhoden G took eleventh in a brutal Men's A race. MIT's win was emphatically sealed when Buckley soloed in to victory eleven and a half minutes ahead of the rest of the field in the Women's A race. Showing the MIT women's team domination, Matsumoto dropped the rest of the field on the final climb to take second.

In just over a week nine members of the MIT cycling team will be competing in Collegiate Road Nationals, held in Madison, WI from May 7–9, 2010.



(left to right) Jonathan J. Dreher G, John J. Rhoden G, Timothy J. Humpton '10, and Michael L. Garrett G take off from the start line in the Men's A team time trial at the Eastern Collegiate Cycling Conference championships.

UPCOMING HOME EVENTS

Saturday, May 1

Men's heavyweight crew: Cochrane Cup 8 a.m., Charles River

Women's openweight crew: Beanpot

Men's lightweight crew vs. University of

Women's lightweight crew: Muri Cup

Sailing: Geiger Trophy

Baseball vs. Trinity College

Baseball vs. Trinity College

Men's lacrosse vs. Clark University

o a.m., onance mver

8 a.m., Charles River

9 a.m., Charles River

9 a.m., Charles River

11 a.m., Charles River 12 p.m., Briggs Field

2:30 p.m., Briggs Field

1 p.m., Steinbrenner Stadium

Sunday, May 2

Men's heavyweight crew: Jablonic Cup 8 a.m., Charles River
Baseball vs. Worcester State 1 p.m., Briggs Field

SCOREBOARD

Baseball	
Wednesday, April 28	
vs. Fisher College	Rescheduled
Thursday, April 29	
vs. UMass-Boston	L 9-7
Men's Lacrosse	
Wednesday, April 28	
vs. Norwich University	W 8-7
Women's Lacrosse	
Wednesday, April 28	
at Wellesley College	W 7-6

Men's lacrosse falls to Babson

LAX must win final 2 games to make playoffs

By Mike Gerhardt

ТЕАМ МЕМВЕ

The MIT men's lacrosse team fell to the Babson Beavers, 15-9, last Saturday in conference play, snapping a three-game winning streak for MIT. The Engineers

dropped to 6-6 on the year while Babson improved to 9-4. However, following the loss, the Engineers still control their destiny and can make the conference playoffs by winning their final two games of the regular season, both home contests against Norwich University and Clark University.

The Engineers found themselves in a hole early in the first quarter as Babson jumped out to a 4-0 lead just eight minutes into the game, with two goals coming from attackman James Schmidt, who led Babson in scoring with four goals and an assist. High-pressure defensive and transition play by Babson caught the Engineers off-guard, and MIT was not able to break the shutout until attackman Daniel G. Piemont '10 found the back of the cage off an assist from midfielder Nicholas D. Sisler '11 with just over five minutes remaining in the first quarter. Babson answered less than a minute later to bring the score to 5-1. In the waning seconds of the first quarter, Engineers goaltender Christopher B. Rullan '13 fired an 80-yard bomb on an open net to take advantage of Babson's aggressive ten-man ride and cut their lead to three points.

But the Engineers were never able to build upon this momentum; Babson answered fourteen seconds into the second quarter with a fast-break goal off the face-off. Tech went on to score twice more in the first two minutes of the quarter before Sisler again fed Piemont for the Engineers' third and final goal of the half. Babson added one more before the half to bring the score to 9-3.

After a quick halftime speech, the Engineers began to rally and played significantly better in the second

half. Although a shaky start allowed Babson to score twice more in the first minute, MIT showed signs of life by possessing the ball and starting a scoring run of their own. Midfielder John R. Kucharczyk '11 scored unassisted with 12:08 remaining in the quarter, and senior captain Corey Garvey '10 set up attackman Gabriel V. Blanchet '13 with a man-up goal just over five minutes later. Unfortunately, just as the momentum appeared to swing in favor of the Engineers, Babson notched two more to make the score 13-5. Garvey added a goal of his own with just six seconds remaining on the clock to cut the Babson lead to 13-6 going into the fourth quarter.

In the fourth quarter, Babson again scored first, taking a man-advantage goal six minutes into the quarter, followed by another fast-break score twenty seconds later. After that, the Engineers desperately tried to mount a comeback, and managed to score three goals in 71 seconds of playing time before a turnover allowed Babson to control the ball and let the clock wind down. First, Blanchet scored unassisted to bring the score to 15-7. A slashing penalty by Babson on the play allowed MIT's man-up offense to put another one in on a shot by sophomore midfielder Carl J. Tilbury '12, assisted by Blanchet. Defensive midfielder and captain Garth S. Grove '10 scored MIT's final goal, tipping a loose ball into the cage when the Babson goaltender failed to control the ball after a save. Unfortunately, the comeback attempt was too little, too late.

However, the Engineers still have a shot at a winning record for the first time in several years. With two wins, MIT will capture the fourth seed in the Pilgrim League playoff tournament. Both games are home on Roberts Field, where they have not lost since their home opener on March 13th – one Wednesday afternoon against Norwich, and a Saturday afternoon game against Clark University, face-off scheduled for 1 p.m.

Mike Gerhardt is also a staff member in the Sports department.

Has your team shattered records this season? Let us know at sports@tech.mit.edu!